产品选型手册

Product Selection

浙江千弘物联技术有限公司

浙江千弘物联技术有限公司
Zhejiang Qianhong IoT Technology Co., Ltd

地　　址：浙江省宁波市镇海区骆驼街道明斌路228号
电　　话：057487104599
手　　机：13967835454
网　　址：WWW.EMCELLS.COM

电子画册

一流的称重设备供应商

WWW.EMCELLS.COM

公司简介
Company Profile

浙江千弘物联技术有限公司是一家专业生产称重传感器，称重仪表，接线盒、汽车衡、电子地磅、皮带秤、喂料机、电子台秤、水泥秤、地上衡、装机秤、罐体秤、钢包秤、畜牧秤、缓冲秤、轨道衡、轴重秤、称重模块、无人值守称重系统等衡器产品的专业衡器厂家。

目前，公司拥有 6 项地磅技术专利，年产地磅超 1000 台，是浙江地区地磅产量最大也是宁波地区唯一一家具备 200 吨地磅生产资质的地磅厂家，浙江省首家引进整套汽车衡自动化生产设备的地磅厂家，所生产的 FSG 汽车衡系列产品均已通过 ISO9001 国际认证和欧盟 CE 认证。

公司自 2003 年正式成立以来，秉持“质量为本，服务至上”的理念，经过多年不断的积累和发展，目前已成为国内最具规模的专业称重设备生产厂家之一，截止目前，公司已经分别在浙江、江苏、安徽等地区投资办厂。

目前公司总部拥有员工 130 多人，其中专业技术人员 30 多人；在技术上，公司与德国厂家直接合作，在电子称重技术领域方面处领先水平 . 同时，公司引进美国地磅生产方式——冷弯成型，使产品品质更优良，性能更稳定；在产品销售方面，公司现有客户遍布海内外，应用于各个行业，成为衡器行业重要品牌。

Zhejiang Qianhong IoT Technology Co., Ltd. is a professional manufacturer of weighing sensors, weighing instruments, junction boxes, truck scales, electronic weighing scales, belt scales, feeders, electronic platform scales, cement scales, ground scales, installation scales, tank scales, ladle scales, livestock scales, buffer scales, track scales, axle scales, weighing modules, unmanned weighing systems and other weighing products.

At present, the company has 6 technical patents for weighing scales, with an annual output of over 1000 weighing scales. It is the largest weighing scale manufacturer in Zhejiang Province and the only weighing scale manufacturer in Ningbo with the qualification to produce 200 tons of weighing scales. It is the first weighing scale manufacturer in Zhejiang Province to introduce a complete set of automated production equipment for weighing scales. The FSG weighing scale series products produced have all passed ISO9001 international certification and EU CE certification.

Since its official establishment in 2003, the company has adhered to the concept of "quality-oriented, service-oriented". After years of continuous accumulation and development, it has become one of the largest professional weighing equipment manufacturers in China. As of now, the company has invested and established factories in Zhejiang, Jiangsu, Anhui and other regions.

At present, the company headquarters has more than 130 employees, including over 30 professional and technical personnel; Technologically, the company collaborates directly with German manufacturers and is at the forefront of electronic weighing technology At the same time, the company has introduced the American weighing scale production method - cold bending forming, which makes the product quality better and the performance more stable; In terms of product sales, the company has existing customers both domestically and internationally, applied in various industries, and has become an important brand in the weighing industry.

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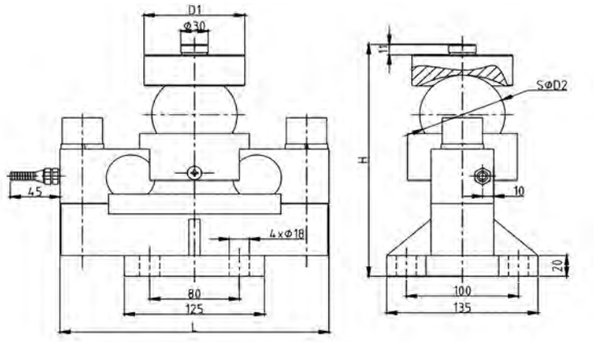
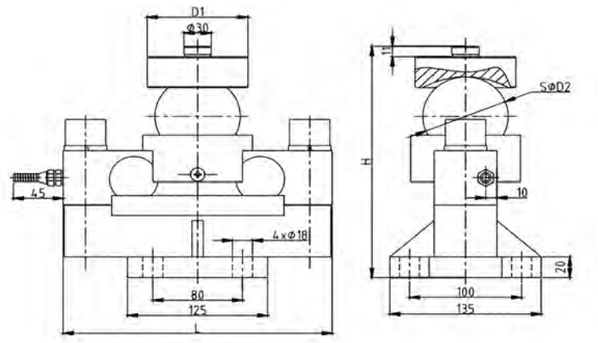


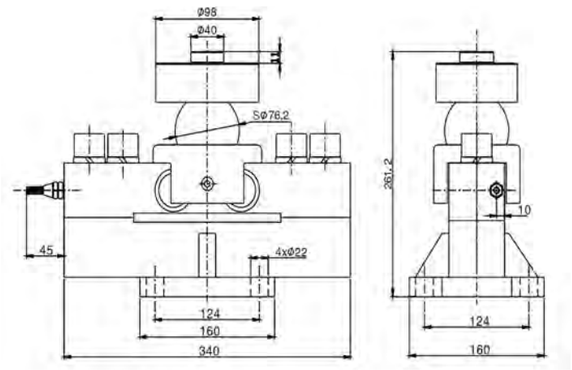
特定载荷 Specific load	5	10、15、20、25、30、40
D1	68	85~88
D2	50.8	76.2
H	168.8	224.7
L	224	240



汽车衡、轨道衡、配料秤及各种专用衡器
Truck scales, railway scales, blendhing scales, and special scales

TECHNICAL PARAMETER 4Wires;Exc+(蓝，Red)；Slg+(白，White);Exc-(黑，Black);Sig-(红，Red)

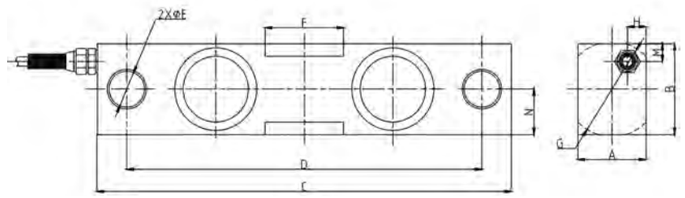
额定载荷 Rated load	10t、15t、20t、25t、30t、40t	通讯波特率 Communication Baud rate	9600 BPS/19200 BPS
额定输出 Rated Output	10t、15t、25t、30t、40t 20000、25000、30000、40000	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	C3	额定温度 Nominal Temp Range	-10~+40°C
线性误差 Non-linearity	±0.02%F.S	工作温度范围 Service Temp Range	-30~+70°C
滞后误差 Hysleresis error	±0.02%F.S	安全负载 Safe load limit	150%F.S
重复性 Repeatability	±0.01%F.S	破坏负载 Breaking laod	300%F.S
蠕变 (30 分钟) Creep(30min)	±0.015%F.S	额定激励电压 Nominal of range excitation	9~12 V DC
零点温度影响 TC ZERO	±0.015%F.S/10°C	密封等级 Protection Class	IP69K
灵敏度温度影响 TC SPAN	±0.015%F.S/10°C	材料 Material	合金钢Alloy Steel
绝缘电阻 Insulation resistance	10HZ	通讯方式	RS 485



汽车衡、轨道衡、配料秤及各种专用衡器
Truck scales, railway scales, blendhing scales, and special scales

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

额定载荷Rated load	5t、10t、15t、20t、25t、30t、40t、50t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	C2-C3	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.002mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破坏负载 Breaking laod	250%F.S
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO	±0.02%F.S/10°C	密封等级 Protection Class	IP67
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	750±10Ω	电缆Cable Length:	5t 10t 15t 20t 25t 30t 40t 50t
输出阻抗 Outpit resistance	750±3Ω		5.2m 4/8m 4/1m 4/10/12m 4/10/12m 12/16m 12/16m 4/10/12m

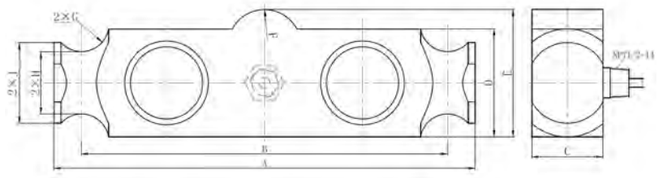


额定载荷（klb）	A	B	C	D	E	F	G	H	M	N
2~5	31	31	190.5	159.1	12.7	30.5	31.5	8	6.5	14.2
10~35	36.6	48.5	222	190.5	19	42	1.95	10	9.5	B/2
50~75	62	74.7	342.9	192.1	33.5	82.6	75.9	16	15	B/2

汽车衡、仓储秤等
Truck scales, warehouse scales

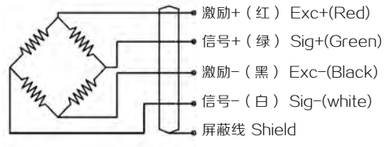
TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷Rated load	2、3、5、10、15、20 25、35、50、75klb	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.05	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	3.0±0.003mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.05%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.05%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO	±0.02%F.S/10°C	密封等级 Protection Class	IP67
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel， 不锈钢stainless steel
输入阻抗 Input reslstance	750±10Ω	电缆Cable	Length:6m（2~5klb），10m（10~35klb），16m（50~75klb） Diameter：Ø 5（2~5klb），Ø 6（10~75klb）
输出阻抗 Outpit resistance	702±5Ω		



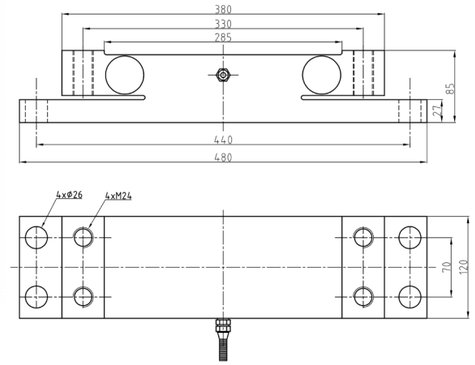
量程（klb）	A	B	C	D	E	F	G	H	J
25~40	209.6	184	49.3	62	75.5	R12.7	R12.7	Ø41.4	Ø50.8
50~75	292.1	254	49.3	74.7	88.15	R25.4	R19.05	Ø43.2	Ø55.9
100~125	368.3	317.5	73.7	98	118.9	R38.1	R25.4	Ø62	Ø81.3

接线图Wiring Schematic diagram

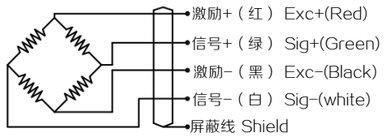


TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷	Rated load	25，40，50，60，75，100，125klb
精度等级	Accuracy class	0.05
灵敏度	Sensilivity	3.0±0.003mV/V
线性误差	Non-linearity	±0.05%F.S
滞后误差	Hysleresis error	±0.05%F.S
蠕变 (30 分钟）	Creep(30min)	±0.03%F.S
零点温度影响	TC ZERO	±0.02%F.S/10°C
灵敏度温度影响	TC SPAN	±0.02%F.S/10°C
输入阻抗	Input reslstance	750±10Ω
输出阻抗	Outpit resistance	702±5Ω
绝缘电阻	Insulation resistance	≥ 5000MΩ
额定温度	Nominal Temp Range	-10~+40°C
工作温度范围	Service Temp Range	-30~+70°C
安全负载	Safe load limit	150%F.S
破环负载	Breaking laod	200%F.S
额定激励电压	Nominal of range excitation	10~12 V DC
密封等级	Protection Class	IP67
材料	Materia	合金钢Alloy Steel
电缆	Cable	Length:15.5m

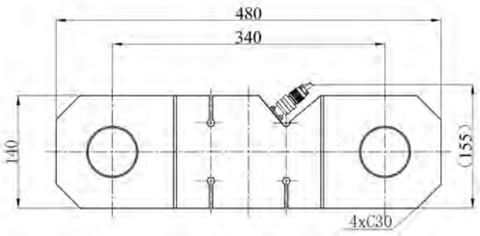


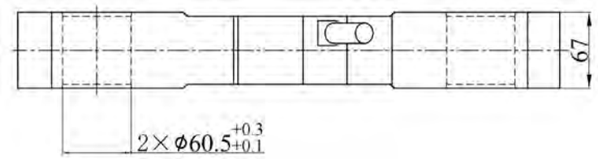
接线图Wiring Schematic diagram



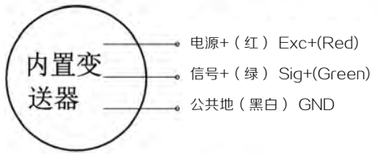
TECHNICAL PARAMETER 4Wires;Exc+(红, Red)；Exc-（黑, Black);Slg+(绿, Green);Sig-（白, White）

额定载荷	Rated load	30t
灵敏度	Sensilivity	1.5±0.005mV/V
综合误差	Total error	±0.1%F.S
蠕变 (30 分钟)	Creep(30min)	±0.05%F.S
零点平衡	Zero balance	±1%F.S
零点温度影响	TCO	±0.05%F.S/10°C
输出温度影响	TC SPAN	±0.05%F.S/10°C
输入阻抗	Input reslstance	750±10Ω
输出阻抗	Outpit resistance	702±5Ω
绝缘电阻	Insulation resistance	≥ 5000MΩ
工作温度范围	Service Temp Range	-30~+70°C
安全过载	Safe load limit	150%F.S
极限过载	Lateral load limit	200%F.S
推荐激励电压	Recommended excitation	10~12V DC
最大激励电压	Maximum excitation	15V DC
密封等级	Protection Class	IP67
材料	Material	合金钢Alloy Steel
电缆	Cable	长度 Length: 20m 直径 Diameter: ∅ 6mm



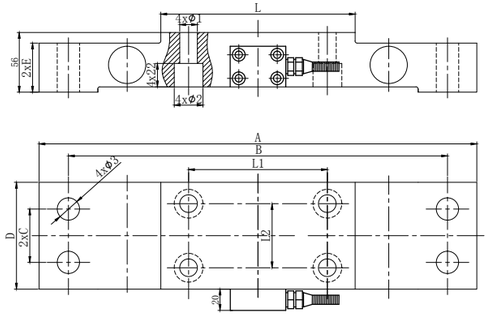


接线图Wiring Schematic diagram

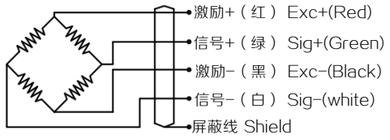


TECHNICAL PARAMETER Exc+(红, Red)；Slg+(绿, Green)

额定载荷	Rated load	40t
输入	Input	5VDC
输出	Output	0.5~4.5V
综合误差	Total error	±0.2%F.S
零点温度影响	TC ZERO	±0.05%F.S/10°C
输出温度影响	TC SPAN	±0.05%F.S/10°C
工作温度范围	Service Temp Range	-30~+70°C
安全过载	Safe load limit	150%F.S
极限过载	Lateral load limit	200%F.S
密封等级	Protection Class	IP67
材料	Material	合金钢Alloy Steel
电缆	Cable	Length: 15m Diameter: ∅ 7mm



接线图Wiring Schematic diagram

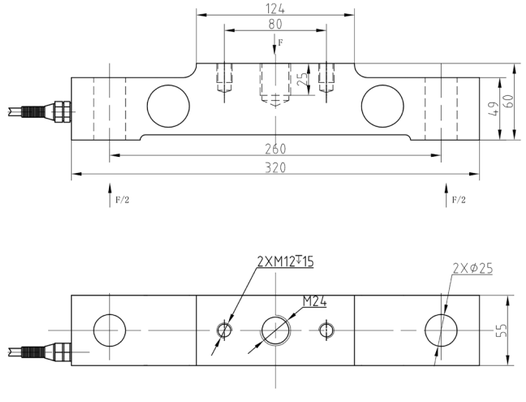


产品型号	A	B	C	D	E	L	L1	L2	Ø 1	Ø 2	Ø 3
BTW1. 5T	350	310	98	75	48	151	100	40	17.5	28	18
BTW2.5T	410	355	50	100	44.5	181	130	80	17.5	28	22
BTW4-10t	410	355	50	100	48	211	160	60	17	27	21.5

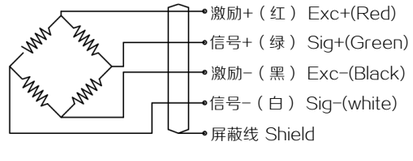
起重量限制器
Load lifting limiter

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷Rated load	1.5、2.5、4.5、7.5、10t	温度补偿范围 Temperature range， compensation	-10~+40°C
灵敏度 Sensilivity	1.2±0.02mV/V	工作温度范围 Service Temp Range	-30~+70°C
综合误差 Total error	±0.2%F.S	安全负载 Safe load limit	150%F.S
蠕变 (30 分钟） Creep(30min)	±0.05%F.S	极度过载 Ulitmate overload	200%F.S
零点平衡 Zero balance	±1%F.S	推荐激励电压 Maximum excitation	10-12 V DC
零点温度影响 TC ZERO	±0.03%F.S/10°C	最大激励电压 Maximum excitation	15 V DC
输出温度影响 TC SPAN	±0.1%F.S/10°C	防封等级 Protection class	IP67
输入阻抗 Input reslstance	750±10Ω	材质Construction	合金钢Alloy Steel
输出阻抗 Outpit resistance	702±5Ω	电缆Cable	Length: 0.5m Diameter: Ø 6mm
绝缘电阻 Insulation resistance	≥ 5000MΩ		

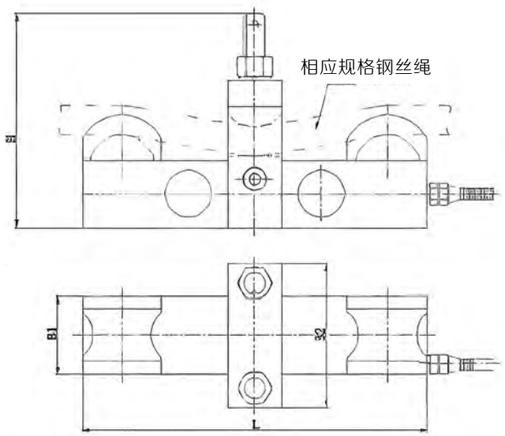


接线图Wiring Schematic diagram



TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷	Rated load	30t
灵敏度	Sensilivity	1.5±0.005mV/V
综合误差	Total error	±0.1%F.S
蠕变 (30 分钟）	Creep(30min)	±0.05%F.S
零点平衡	Zero balance	±1%F.S
零点温度影响	TCO	±0.05%F.S/10°C
输出温度影响	TC SPAN	±0.05%F.S/10°C
输入阻抗	Input reslstance	750±10Ω
输出阻抗	Outpit resistance	702±5Ω
绝缘电阻	Insulation resistance	≥ 5000MΩ
工作温度范围	Service Temp Range	-30~+70°C
安全过载	Safe load limit	150%F.S
极限过载	Lateral load limit	200%F.S
推荐激励电压	Recommended excitation	10~12V DC
最大激励电压	Maximum excitation	V DC
密封等级	Protection Class	15IP67
材料	Material	合金钢Alloy Steel
电缆	Cable	Length: 20m Diameter: Ø 6mm



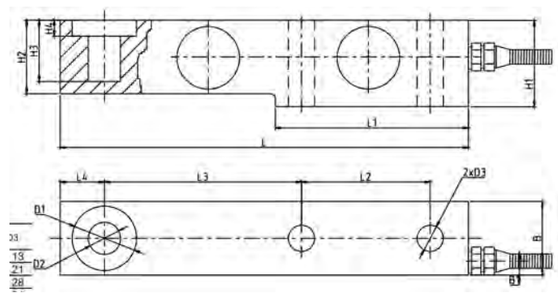
钢丝绳强力（t）	H		B1	B2	钢丝绳直径（mm）
1 2 3	95.5	40	60	180	6-14 10-18 12-20
5	135.5	40	75	200	16-26
10	174	60	110	260	24-36

适用于钢丝过载报警，超限载控制
Suitable for wire overload alarm and overload control

TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-（黑，Black);SIg+(绿，Green);Sig-（白，White）

额定载荷Rated load	1、2、3、5、10M	绝缘电阻 Insulation resistance	≥ 5000MΩ
灵敏度 Sensilivity	1.0±0.01mV/V	工作温度范围 Service Temp Range	-30~+60°C
综合误差 Total error	±0.05%F.S	安全负载 Safe load limit	120%F.S
蠕变 (30 分钟)　Creep(30min)	±0.01%F.S	破环负载 Breaking laod	150%F.S
零点平衡 Zero balance	±1%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.01%F.S/10°C	最大激励电压 Maximum excitation	15 V DC
灵敏度温度影响 TC SPAN	±0.01%F.S/10°C	密封等级 Protection Class	IP67
输入阻抗 Input reslstance	750±10Ω	材料 Material	合金钢Alloy Steel
输出阻抗 Outpit resistance	702±5Ω	电缆Cable	Length: 0.5m Diameter: Ø 6mm



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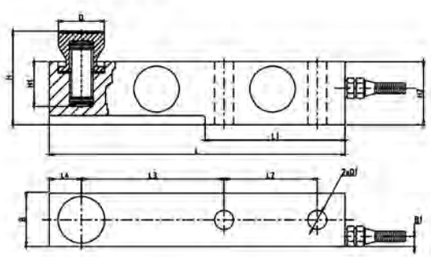
额定载荷（t） Rated load	L	L1	L2	L3	L4	H1	H2/B	B1	H3	H4	D1	D2	D3
0.3、0.5、1、2、3	203	95	64	98	22	43	36.6	7	30.5	8	Ø 32	Ø 16	Ø 13
5、7、5.8	235	110	66	124	22	52	48	7	30	12	Ø 38	Ø 22	Ø 21
10	279	133	82	140	32	67	60	8.5	20	8.5	Ø 48	Ø 32	Ø 28
15，20，25	318	153	89	159	38	82.5	70	9.5	24	9.5	Ø 54	Ø 38	Ø 34

汽车衡、轨道衡、配料秤及各种专用衡器
Truck scales, railway scales, blendhing scales, and special scales
4Wires;Exc+(红，Red)；Exc-（白，White);Sig+(绿，Green);Sig-（白，White)(0.3~8t);
6Wires;Exc+(红，Red)；Exc-（白，White);Sig+(绿，Green);Sig-（白，White)；
sen+(蓝，Bule)；sen-（黄，Yellow);(10~25t)；

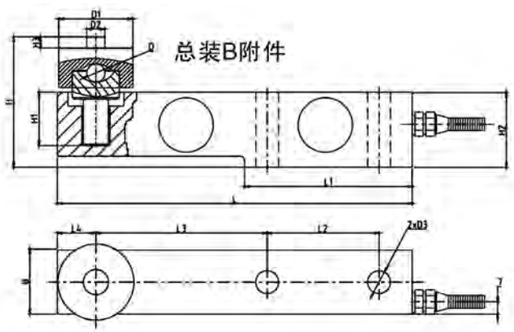
TECHNICAL PARAMETER

额定载荷Rated load	0.3,0.5,1,2,3,5,7.5 8,10,15,20,25t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	C2~C3	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.002mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟)　Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO	±0.015%F.S/10°C	密封等级 Protection Class	IL66(0.3~0.5t) IP67(1t~25t)
灵敏度温度影响 TC SPAN	±0.015%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	400±20Ω	电缆CableLength	2.6m(0.3~2t),3.5m(3t), 5.2m(5~8t),7m(10t),12m(15~25t)
输出阻抗 Outpit resistance	352±3Ω		

总装A附件



总装B附件



TECHNICAL PARAMETER

总装 A 附件

额定载荷（t）	尺寸（mm）											
	L	L1	L2	L3	L4	B	H	H1	H2	B1	D	D1
0.3,0.5,1,2,3	203	95	64	98	22	36.6	58	30.5	43	7	∅ 35	∅ 13
5,7.5,8	235	110	66	124	22	48	81	30	52	7	∅ 42	∅ 21
10	279	133	82	140	32	60	128	20	67	8.5	∅ 57	∅ 28
15,20,25	318	153	89	159	38	70	144	24	82.5	9.5	∅ 70	∅ 34

总装 B 附件

额定载荷（t）	尺寸（mm）													
	L	L1	L2	L3	L4	B	H	H1	H2	H3	D	D1	D2	D3
0.3,0.5,1,2,3	203	95	64	98	22	36.6	79	30.5	43	9	∅ 16	∅ 44	∅ 15	∅ 13
5,7.5,8	235	110	66	124	22	48	104	30	52	10	∅ 25	∅ 52	∅ 21	∅ 21

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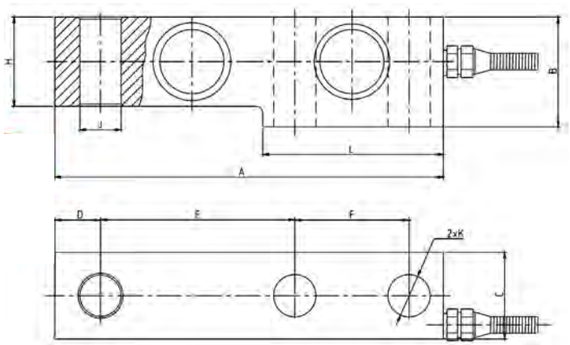
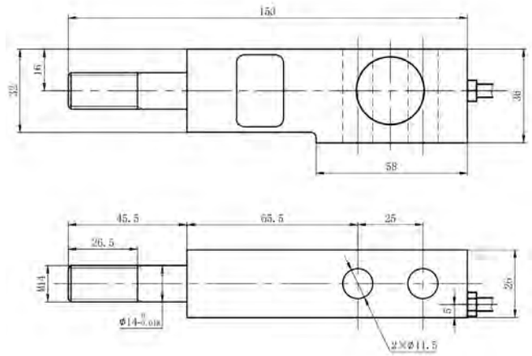


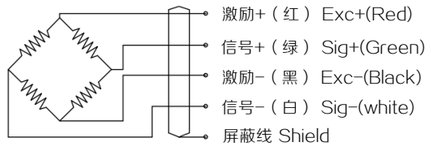
量程	A	B	C	D	E	F	H	L	J	K
50kg~300kg	135	36	26	18	75	25	32	58	∅ 11.5	∅ 11.5
500kg	135	38	30	18	75	25	34	58	∅ 11.5	∅ 13.5
1~2t	135	38	30	18	75	25	34	58	∅ 13.5	∅ 13.5
3t~5	170	48	38	20	85	50	39	79	∅ 18	∅ 18.5

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷 Rated load	1.5、2.5、4.5、7.5、10t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class		温度补偿范围 Temperature range， compensation	-10~+40°C
灵敏度 Sensilivity	1.2±0.02mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.2%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.05%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±1%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.03%F.S/10°C	密封等级 Protection Class	IP67（50~500kg) IP68(1t~5t)
灵敏度温度影响 TC SPAN	±0.1%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	750±10Ω	电缆Cable	Length: 3m Diameter: ∅ 5mm
输出阻抗 Outpit resistance	702±5Ω		

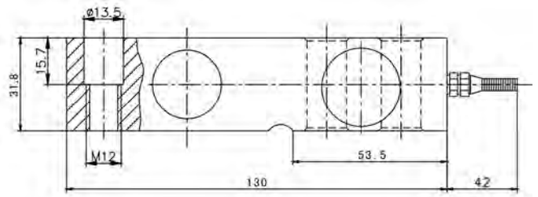


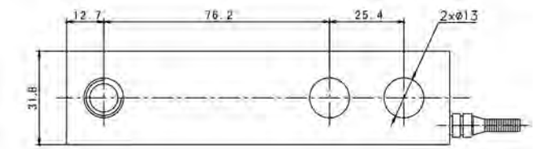
接线图Wiring Schematic diagram



TECHNICAL PARAMETER 4Wires;Exc+(红, Red)；Exc-（黑, Black);Slg+(绿, Green);Sig-（白, White）

额定载荷	Rated load	50,100,200,300,500kg
灵敏度	Sensilivity	1.8±0.005mV/V
综合误差	Total error	±0.05%F.S
蠕变 (30 分钟)	Creep (30min)	±0.05%F.S
零点平衡	Zero balance	±1%F.S
零点温度影响	TCO	±0.02%F.S/10°C
输出温度影响	TC SPAN	±0.02%F.S/10°C
输入阻抗	Input reslstance	400±10Ω
输出阻抗	Outpit resistance	352±3Ω
绝缘电阻	Insulation resistance	5000MΩ
工作温度范围	Service Temp Range	-30~+70°C
安全过载	Safe load limit	120%F.S
极限过载	Lateral load limit	200%F.S
推荐激励电压	Recommended excitation	10~12VDC
最大激励电压	Maximum excitation	15VDC
密封等级	Protection Class	IP67
材料	Material	合金钢Alloy Steel
电缆	Cable	Length: 3m Diameter: ∅ 6mm





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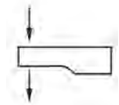
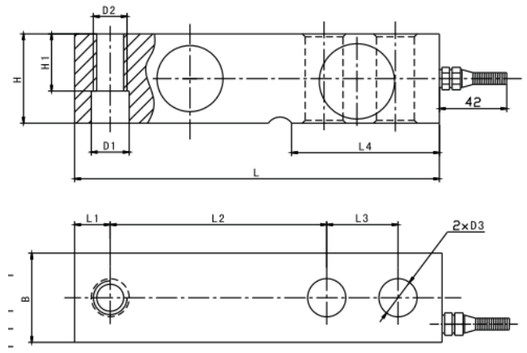
配料控制系统、平台称
Blending control system, low platform scale



TECHNICAL PARAMETER 4Wires;Exc+(红, Red)；Exc-（黑, Black);Slg+(绿, Green);Sig-（白, White）

额定载荷Rated load	0.1、0.15、0.2、0.25、0.3 0.5、0.75、1、1.5、2、2.5t	输出阻抗 Outpit resistance	352±3Ω
精度等级 Accuracy class	C2~C3	绝缘电阻 Insulation resistance	≥ 5000MΩ
灵敏度 Sensilivity	0.1~0.3t;2.0±0.002mV/V 0.5~2.5t;3.0±0.003mV/V	额定温度 Nominal Temp Range	-10~+40°C
线性误差 Non-linearity	±0.03%F.S	工作温度范围 Service Temp Range	-30~+70°C
滞后误差 Hysleresis error	±0.03%F.S	安全负载 Safe load limit	150%F.S
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	破环负载 Breaking laod	200%F.S
零点温度影响 TC ZERO	±0.02%F.S/10°C	额定激励电压 Nominal of range excitation	10-12 V DC
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	密封等级 Protection Class	IP67（0.1~0.75t） IP68（1~2.5t）
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length:1.5m:3m 比例 1：1



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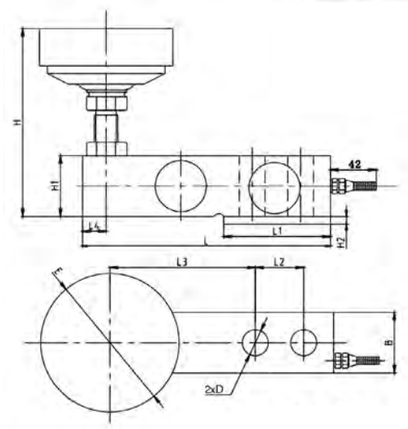
额定载荷（t）Rated load	L	L1	L2	L3	L4	H/B	H1	D1	D2	D3
3、5	171.5	19	95.3	38.1	72.5	38.1	26	∅ 20	M18X1.5	∅ 20
7.5~10	225.5	25.3	124	50.8	102	50.8	25.4	∅ 27	M24X2	∅ 27

配料控制系统、平台称
Blending control system, low platform scale

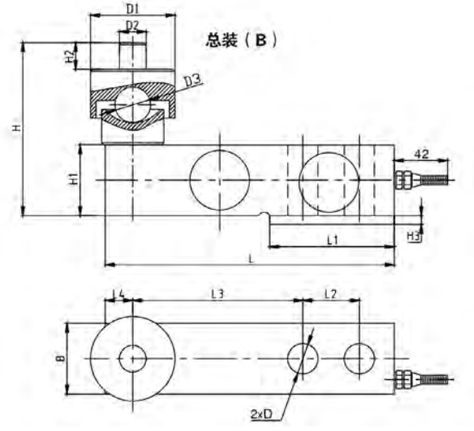
TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

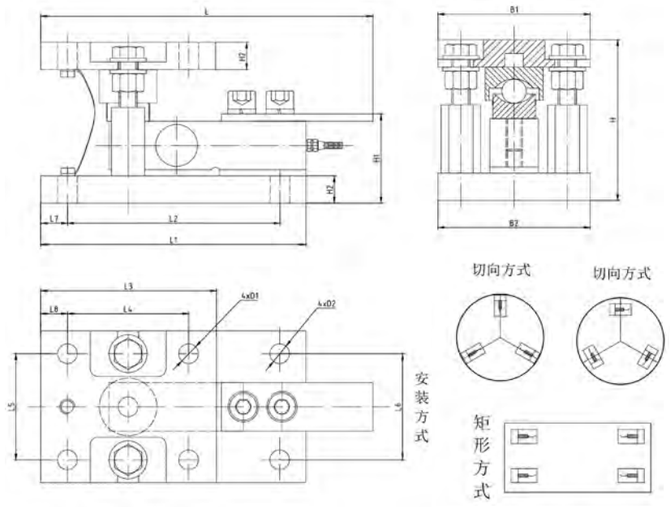
额定载荷Rated load	3、5、7.5、10t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	3.0±0.03mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP68
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length: 4.2m（3t~5t） 5m（7.5t~10t）
输出阻抗 Outpit resistance	352±3Ω		



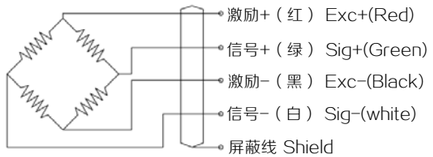
额定载荷（t）Rated load	L	L1	L2	L3	L4	B	H	H1	H2	D	E
0.1~2.5	130	53.5	25.4	76.2	12.7	31.8	85~90	31.8	4	∅ 13	∅ 62
3~5	171.5	72.5	38.1	95.3	19	38.1	104~114	38.1	6	∅ 20	∅ 62
7.5~10	225.5	102	50.8	124	25.3	50.8	132~144	50.8	8	∅ 27	∅ 80



额定载荷（t）Rated load	L	L1	L2	L3	L4	B	H	H1	H2	H3	D	D1	D2	D3
0.1~2.5	130	53.5	25.4	76.2	12.7	31.8	77.8	31.8	12	4	∅ 13	∅ 38	∅ 12	S ∅ 16
3、5	171.5	72.5	38.1	95.3	19	38.1	94.1	38.1	10	6	∅ 20	∅ 50	∅ 16	S ∅ 20
7.5~10	225.5	102	50.8	124	25.3	50.8	130	50.8	10	8	∅ 27	∅ 64	∅ 20	S ∅ 32

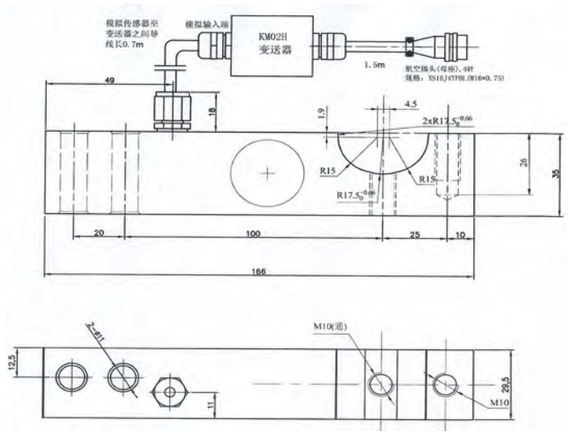


接线图Wiring Schematic diagram



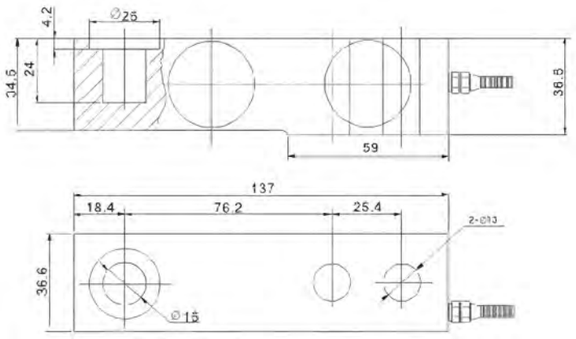
TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

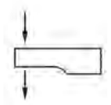
额定载荷（t）Rated load	H	H1	H2	B1	B2	D1	D2	L	L1	L2	L3	L4	L5	L6	L7	L8
0.1~2.5	106	58	18	100	100	∅ 13	∅ 13	210	175	140	116	80	70	70	17.5	18
3~5	135	69.1	123	150	150	∅ 17	∅ 17	270	235	200	150	100	90	90	15	25
7.5~10	186.3	91.3	38（上）28.5（下）	180	180	∅ 26	∅ 26	345.2	310	250	210.4	150.4	110	110	30	30



TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Shied（黄，Yellow）

额定载荷	Rated load	100，250，850(kg)
额定载荷	Rated Output	2.0±0.002mV
综合误差	Total error	±0.1%F.S
蠕变（30 分钟）	Creep(30min)	±0.05%F.S
零点平衡	Zero balance	±1%F.S
零点温度影响	TCO	±0.02%F.S/10°
输出温度影响	TC Span	±0.02%F.S10°
输入阻抗	Input Resistance	400±10Ω
输出阻抗	Output Resistance	352±2Ω
绝缘电阻	Insulation Resistance	⩾ 5000MΩ
工作温度范围	Operating Temp Range	-30~+70°C
安全过载	Safe Load	150
极限过载	Lateral Load Limit	200
推荐激励电压	Recommend Excitation	10~12
最大激励电压	Maximum Excitatio	15
密封等级	Protection Class	Ip67
材质	Construction	合金钢
电缆	Cable	长度 Length:1.5m　直径 Diameter: ∅ 5mm

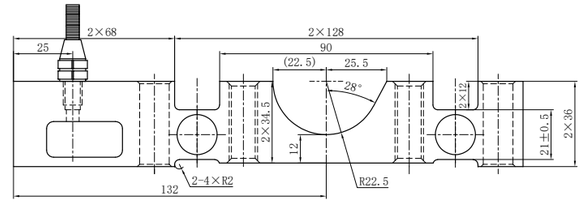


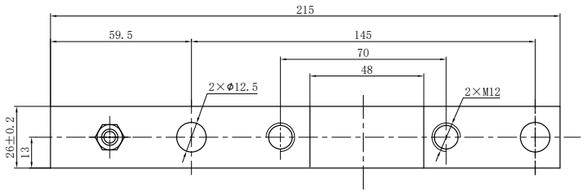


叉车称
Forkdift scale

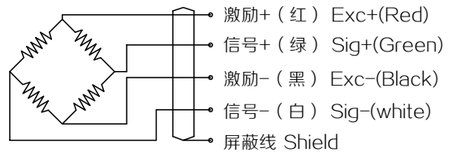
TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷Rated load	0.5, 1, 2, 3(t)	绝缘电阻 Insulation resistance	≥ 5000MΩ
灵敏度 Sensilivity	2.0±0.002mV/V，1.7±0.002mV/V（0.5t）	额定温度 Nominal Temp Range	-10~+40°C
综合误差 Total error	±0.03%F.S	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.03%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点平衡 Zero balance	±1%F.S	最大激励电压 Maximum excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP66(500kg) IP67（1~2t)
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel
输入阻抗 Input reslstance	400±20Ω	电缆 Cable	Length: 3.5m Diameter: ∅ 6mm
输出阻抗 Outpit resistance	352±3Ω		



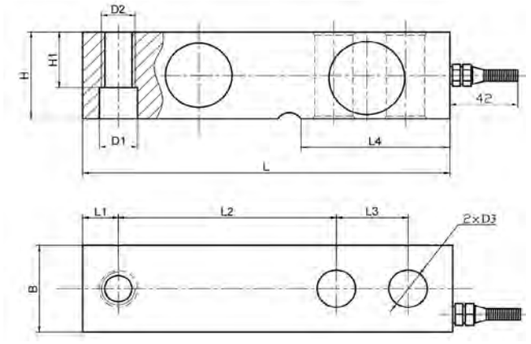


接线图Wiring Schematic diagram

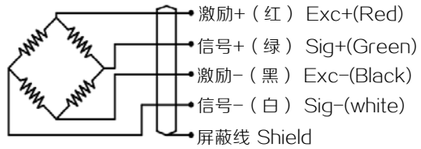


TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Shied（黄，Yellow）

额定载荷	Rated load	850
灵敏度	Sensilivity	1.5±0.005mV
线性误差	Non-linearity	±0.5%F.S
蠕变	Creep(30min)	±0.1%F.S
零点平衡	Zero balance	750±50（空载、无固定）
零点温度影响	TCO	±0.03%F.S/10°
输出温度影响	TC Span	±0.03%F.S10°
输入阻抗	Input Resistance	750±20Ω
输出阻抗	Output Resistance	702±3Ω
绝缘电阻	Insulation Resistance	≥ 5000MΩ
工作温度范围	Operating Temp Range	-30~+70°C
安全过载	Safe Load	150
极限过载	Lateral Load Limit	200
推荐激励电压	Recommend Excitation	10~12
最大激励电压	Maximum Excitatio	15
密封等级	Protection Class	Ip67
材质	Material	合金钢
电缆	Cable	∅ 5×0.65m



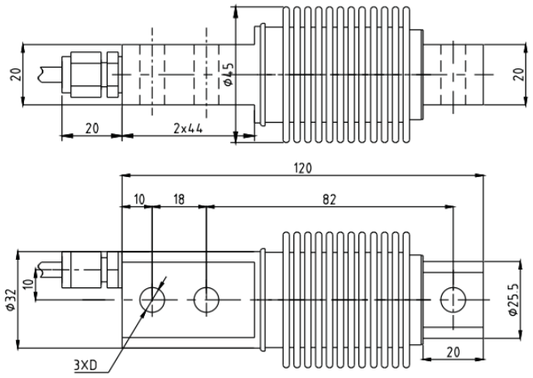
接线图Wiring Schematic diagram



Rated load（klb）	L	L1	L2	L3	L4	H/B	H1	D1	D2	D3
1、1.5、2、2.5、4	130	12.7	76.2	25.4	53.5	31.8	15.7	13.5	1/2-20UNF-2B	13
5、7.5、10	171.5	19	95.3	38.1	72.5	38.1	26	20	3/4-16UNF-2	20
15、20	225.5	25.3	124	50.8	102	50.8	25.4	27	1-14UNS	27

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Shied（黄，Yellow）

额定载荷	Rated load	1、1.5、2、2.5、4、5、7.5、10、15、20klb
精度等级	Accuracy class	IIIL S 5000
灵敏度	Sensilivity	3.0±0.003mV/V
线性误差	Non-linearity	±0.03%F.S
滞后误差	Hysleresis error	±0.03%F.S
蠕变 (30 分钟)	Creep(30min)	±0.02%F.S
零点温度影响	TC ZERO	±0.02%F.S/10°C
灵敏度温度影响	TC SPAN	±0.02%F.S/10°C
输入阻抗	Input reslstance	400±20Ω
输出阻抗	Outpit resistance	352±3Ω
绝缘电阻	Insulation resistance	≥ 5000MΩ
额定温度	Nominal Temp Range	-10~+40°C
工作温度范围	Service Temp Range	-30~+70°C
安全负载	Safe load limit	150%F.S
破环负载	Breaking laod	200%F.S
额定激励电压	Nominal of range excitation	10~12 V DC
密封等级	Protection Class	IP67
材料	Materia	合金钢Alloy Steel 不锈钢Stainless Steel
电缆	Cable	Length:1.5m/3m 1:1(1~5klb)　6m(7.5~20klb) Diameter：∅ 6mm



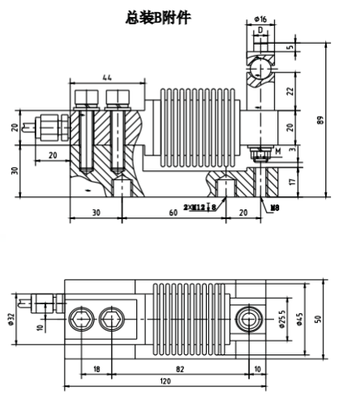
料斗称、皮带秤、配料系统
Hopper scale, belt scale, batching system

额定载荷（kg） Rated load	D
5、10、20、30、40、50、75、700、150、200、	∅ 8.2
300、500	∅ 10.2

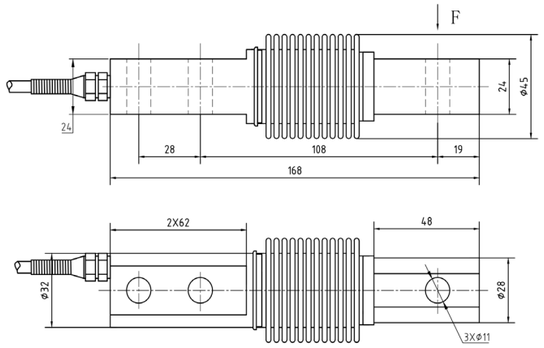
TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷Rated load	5、10、20、30、40、50、75、100、150、200、250、300、500kg	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	C3	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.002mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.02%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.02%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟)　Creep(30min)	±0.015%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.015%F.S/10°C	密封等级 Protection Class	IP68
灵敏度温度影响 TC SPAN	±0.015%F.S/10°C	材料 Material	合金钢 Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length: 3m
输出阻抗 Outpit resistance	352±3Ω		

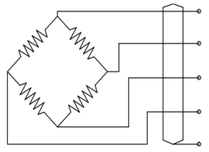
HSX-B 附件



量程（kg）	D	M
5、10、20、30、40、50、75、700、150、200、250	∅ 8	M8
300、500	∅ 10	M10



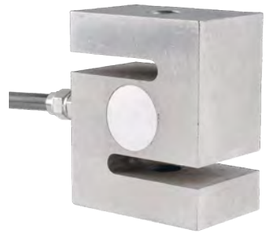
接线图Wiring Schematic diagram

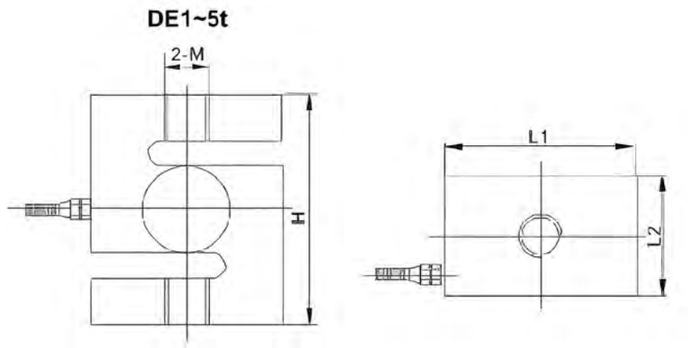


激励+（红） Exc+(Red)
信号+（绿） Sig+(Green)
激励-（黑） Exc-(Black)
信号-（白） Sig-(white)
屏蔽线 Shield

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Shied（黄，Yellow）

额定载荷	Rated load	100,150,200, 250,300,500kg
灵敏度	Sensilivity	2.0±0.002mV/V
精度等级	Accuracy class	C2
蠕变 (30 分钟)	Creep （30min)	±0.02%F.S
零点平衡	Zero balance	±1%F.S
零点温度影响	TCO	±0.02%F.S/10°C
输出温度影响	TC SPAN	±0.02%F.S/10°C
输入阻抗	Input reslstance	400±20Ω（ohms）
输出阻抗	Outpit resistance	352±3Ω（ohms）
绝缘电阻	Insulation resistance	≥ 5000MΩ
额定温度	Nominal Temp Range	-10~+40°C
工作温度范围	Service Temp Range	-30~+70°C
安全过载	Safe load limit	120%F.S
极限过载	Lateral load limit	150%F.S
推荐激励电压	Recommended excitation	10~12V DC
最大激励电压	Maximum excitation	15V DC
密封等级	Protection Class	IP67
材料	Material	合金钢Alloy Steel
电缆	Cable	Length: 3m Diameter: ∅ 5mm



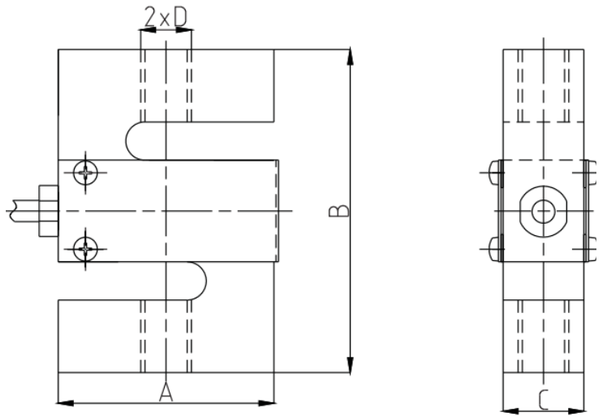


额定载荷（t）Rated load	H	L1	L2	M
1	B2	66	35	M12
1.5、2	B6	70	45	M15
5	130	92	55	M20

吊钩秤、配料秤、包装秤、机电结合秤及专用测力装置
Crane scale, blending scale, packaging scale, electromechanical scale,special testing device

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷Rated load	1,1.5,2.5t	绝缘电阻 Insulation resistance	≥ 2000MΩ
灵敏度 Sensilivity	2.0±0.002mV/V	工作温度范围 Service Temp Range	-30~+70°C
综合误差 Total error	±0.03%F.S	安全负载 Safe load limit	150%F.S
线性误差 Non-linearity	±0.03%F.S	破环负载 Breaking laod	200%F.S
滞后误差 Hysleresis error	±0.03%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	最大激励电压 Maximum excitation	15 V DC
零点平衡 Zero balance	±1%F.S	密封等级 Protection Class	IP66
零点温度影响 TC ZERO)	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	电缆Cable	Length: 12m(DEC11);2m Diameter: ∅ 5mm(DEC11); ∅ 6m
输入阻抗 Input reslstance	400±20Ω		
输出阻抗 Outpit resistance	352±3Ω		



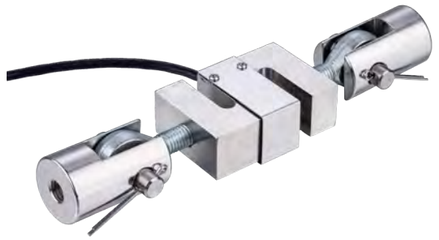
额定载荷 Rated load	A	B	C	D
50~750kg	51	76.2	19.1	M12
1t	51	76.2	25.4	M12
1.5~5t	76.2	100.4	31.8	M20x1.5

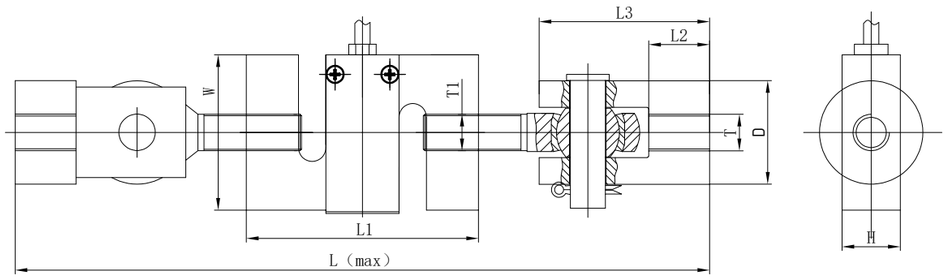
吊钩秤、皮带秤、配料系统
CraneBelt scale, batching system

TECHNICAL PARAMETER

4Wires;Exc+(红, Red); Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

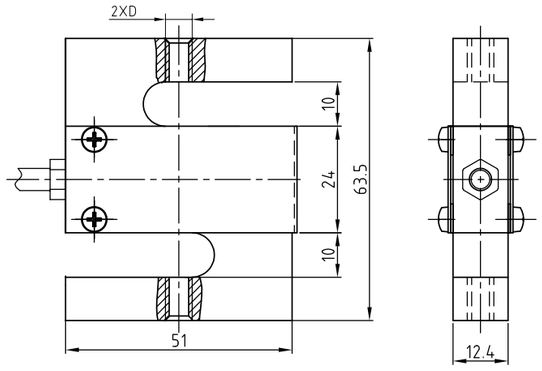
额定载荷Rated load	5、10、20、30、40、50、75、100、150、200、250、300、500kg	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.003mV/V (DEE) 3.0±0.003mV/V (DEE)	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
线性误差 Non-linearity	±0.03%F.S	破环负载 Breaking laod	200%F.S
滞后误差 Hysleresis error	±0.03%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
蠕变 (30 分钟) Creep(30min)	±0.03%F.S	密封等级 Protection Class	IP66(50kg~1t);IP67(1.5t~5t)
零点温度影响 TC ZERO)	±0.02%F.S/10°C	材料 Material	合金钢 Alloy Steel 不锈钢stainless steel
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	电缆Cable	Length: 3m
输入阻抗 Input reslstance	400±20Ω(1.5t~		
输出阻抗 Outpit resistance	352±3Ω		



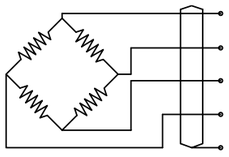


TECHNICAL PARAMETER

额定载荷 Rated load	L1	W	H	L（max）	L3	L2	D	T1	T
50~750kg	76.2	51	19.1	228	56	20	∅ 34	M12	M12
1t	76.2	51	25.4	228	56	20	∅ 34	M12	M12
1.5~5t	100.4	76.2	31.8	314	85	30	∅ 49	M20×1.5	M24



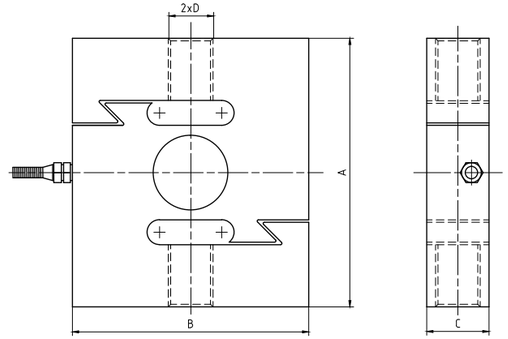
接线图Wiring Schematic diagram



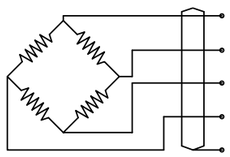
激励+（红） Exc+(Red)
信号+（绿） Sig+(Green)
激励−（黑） Exc−(Black)
信号−（白） Sig−(White)
屏蔽线 Shield

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc−(黑，Black);Slg+(绿，Green);Sig−(白，White)

额定载荷	Rated load	50、100(kg)
灵敏度	Sensitivity	3.0±0.003mV/V
综合误差	Total error	±0.03%F.S
蠕变（30 分钟）	Creep(30min)	±0.03%F.S
零点平衡	Zero balance	±1%F.S
零点温度影响	TCO	±0.03%F.S/10°C
输出温度影响	TC SPAN	±0.03%F.S/10°C
输入阻抗	Input resistance	400±50Ω
输出阻抗	Output resistance	352±3Ω
绝缘电阻	Insulation resistance	≥ 5000MΩ
工作温度范围	Operating Temp Range	-30~+70°C
安全过载	Safe load limit	150%F.S
推荐激励电压	Recommend excitation	10~12V DC
最大激励电压	Maximum excitation	15V DC
密封等级	Protection Class	IP65
材质	Material	合金钢 Alloy Steel
电缆	Cable	Length:3m Dianeter: ∅ 5mm



接线图Wiring Schematic diagram



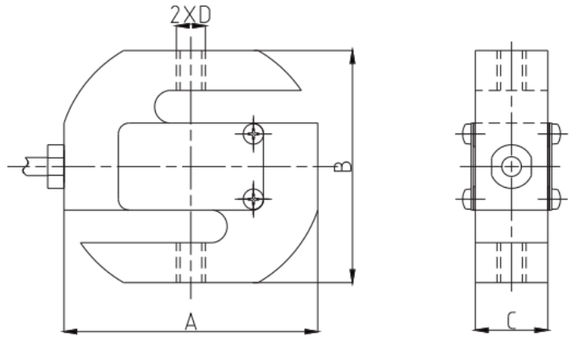
激励+（红） Exc+(Red)
信号+（绿） Sig+(Green)
激励−（黑） Exc−(Black)
信号−（白） Sig−(White)
屏蔽线 Shield

额定载荷(t) Rated load	A	B	C	D
0.05、0.1、0.2、0.25、0.3、0.5、0.75	80	70	19	M12
1、1.5	80	70	25	M12
2、3.5	108	95	25	M18x1.5
7.5、10	178	130	51	M30x2
16、20	180	160	60	M39x2

吊钩秤、皮带秤、配料系统
CraneBelt scale, batching system

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc−(黑，Black);Slg+(绿，Green);Sig−(白，White)

额定载荷Rated load	0.05、0.1、0.2、0.3、0.5、0.75、1 1.5、2、3、5、7、10、15、20t	绝缘电阻 Insulation resistance	≥ 5000MΩ
灵敏度 Sensilivity	2.0±0.002mV/V	额定温度 Nominal Temp Range	-10~+40°C
综合误差 Total error	±0.03%F.S	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.03%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.03%F.S/10°C	密封等级 Protection Class	IP65（0.05~5t) IP67（7.5~20t)
零点温度影响 TC ZERO)	±0.03%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
灵敏度温度影响 TC SPAN	±0.03%F.S/10°C	电缆Cable	Length: 6m Diameter: ∅ 5mm
输入阻抗 Input reslstance	400±20Ω		
输出阻抗 Outpit resistance	352±3Ω		



额定载荷 Rated load	A	B	C	D
20~150kg	70	64	12	M8
200~500kg	70	64	20	M12
700~1000kg	70	64	25	M12
1.5~5t	88	90	32	M20
7.5t	88	90	40	M24

吊钩秤、皮带秤、配料系统
CraneBelt scale, batching system

TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷Rated load	20、30、50、75、100、150、200、250、300、500、700、750kg、1t、1.5t、2t、3t、5t、7.5t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.003mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.03%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP66（20kg~1t) IP68(1.5t~7.5t)
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	400±20Ω（1.5t~7.5t)	电缆Cable	Length=2.6m(20kg~1t) 3m(1.5~7.5t)
输出阻抗 Outpit resistance	352±5Ω		

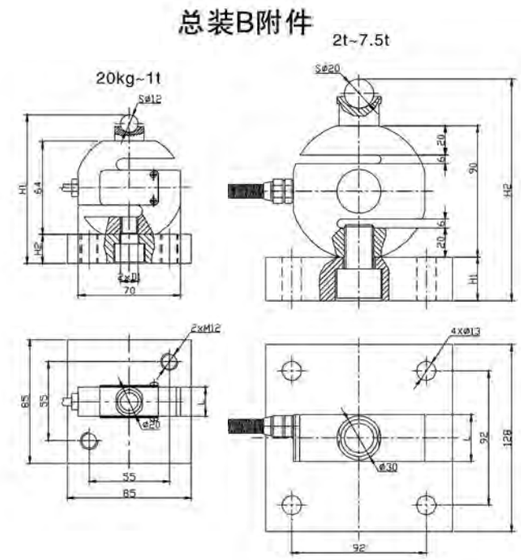
额定载荷 Rated load	H1	H2	D1	L
20~150kg	97	15	M8	12
200~500kg	103	19	M12	20
700~1000kg	103	19	M12	20

额定载荷 Rated load	H1	H2	L
2~5t	29	151	32
7.5t	34	156	40

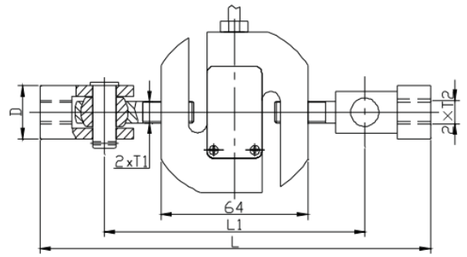
额定载荷 Rated load	Lmax	L1max	T1	T2	D
20~150kg	184	124	M8	M8	24
200~500kg	228	148	M12	M12	34
700~1000kg	228	148	M12	M12	34
2~5t	326	206	M20	M24	56

额定载荷 Rated load	D	D1	D2	L1max	L2
20~150kg	M8	20	36	108	9
200~300kg	M12	28	52	136	13

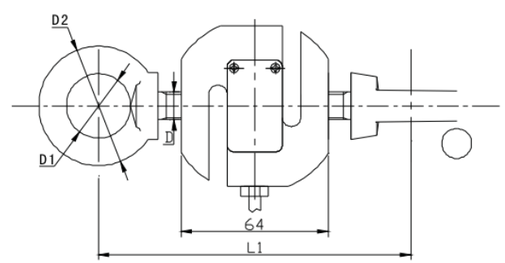
总装B附件

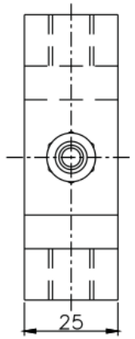


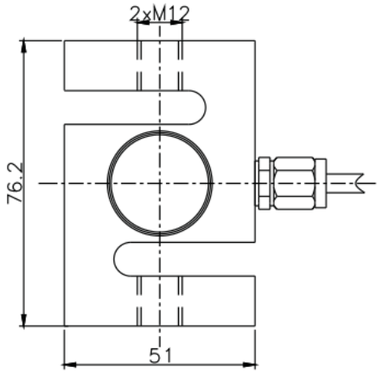
总装D附件



总装E附件



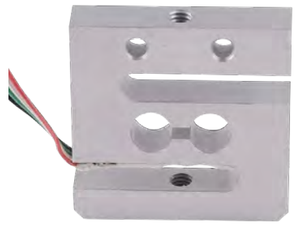


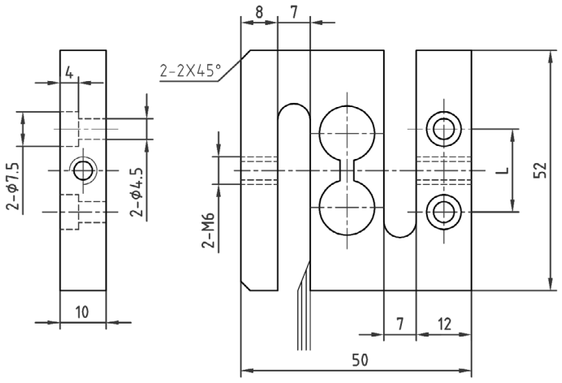


汽车衡、轨道衡、配料秤及各种专用衡器
Truck scales, railway scales, blendhing scales, and special scales

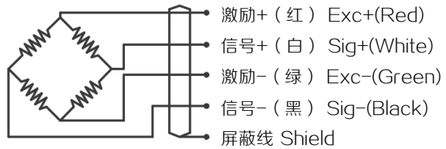
TECHNICAL PARAMETER Wires;Sen+(蓝，Bule)；Sin+(白，White);Exc-(黑，Black);Sig-(红，Red)

额定载荷Rated load	200、300、500kg，1t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.005mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.03%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP67
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	不锈钢stainless steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length=3m Diameter:5
输出阻抗 Outpit resistance	352±3Ω		



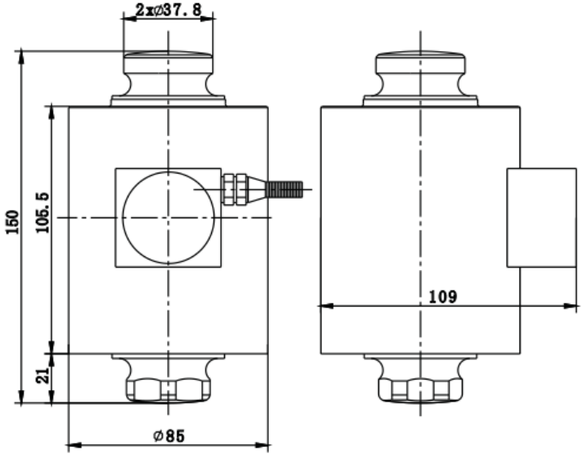


接线图Wiring Schematic diagram



TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-(绿，Green);Slg+(白，White);Sig-(黑，Black)

额定载荷	Rated load	1、2、3、5、10、20、50(kg)
灵敏度	Sensitivity	0.5（1kg)mV/V 1.0（2~50kg)mV/V
综合误差	Total error	±0.2%F.S
蠕变（30 分钟）	Creep(30min)	±0.2%F.S
零点平衡	Zero balance	±1%F.S
零点温度影响	TCO	±0.2%F.S/10°C
输入阻抗	Input resistance	350±5Ω
输出阻抗	Output resistance	350±5Ω
绝缘电阻	Insulation resistance	≥ 5000MΩ
工作温度范围	Operating temp Range	-30~+70°C
安全过载	Safe Overload	120%F.S
极限过载	Lateral load limit	150%F.S
推荐激励电压	Recommend excitation	10~12V DC
最大激励电压	Maximum excitation	15V DC
密封等级	Protection Class	IP66
材质	Material	铝合金 Aluminium
电缆	Cable	Length:25cm(排线)

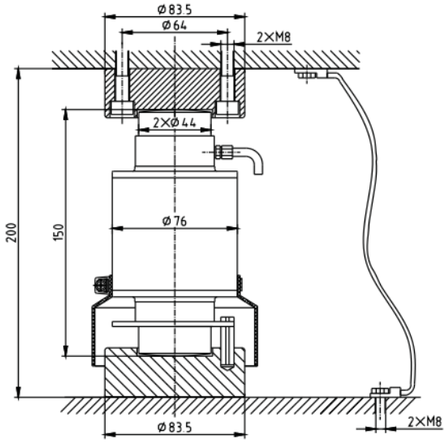


汽车衡、轨道衡、配料秤及各种专用衡器
Truck scales, railway scales, blendhing scales, and special scales

TECHNICAL PARAMETER

Wires;Sen+(蓝，Bule)；Sin+(白，White);Exc-(黑，Black);Sig-(红，Red)

额定载荷Rated load	20、25、30、40、50t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03，0.05	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.002mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S，±0.05%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S，±0.05%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP68
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	1160±10Ω	电缆Cable	Length：20~25t；12m，30t；14m，40~50t；16m Diameter: Ø 6 mm
输出阻抗 Outpit resistance	1005±5Ω		



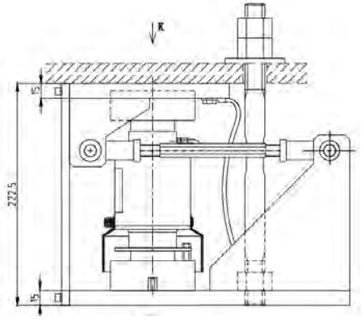
OIML

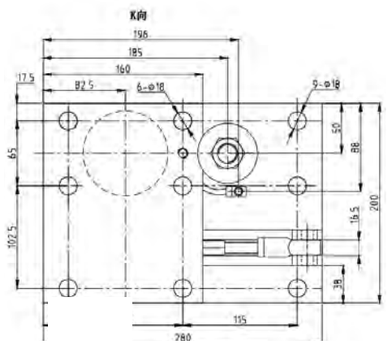
汽车衡、轨道衡、配料秤及各种专用衡器
Truck scales, railway scales, Ingredient scale and various specialized scales

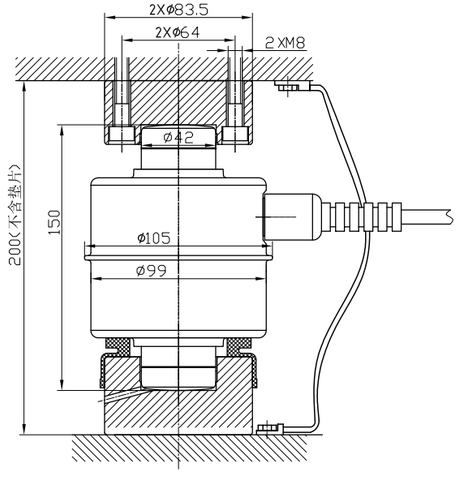
TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

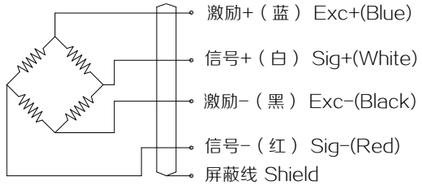
额定载荷Rated load	10、15、20、25、30、40、50t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	C3	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.002mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP68
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	400±20Ω（ZSF) 700±20Ω (ZSFY)	电缆Cable	Length：8m(10t);10m(15t); 12m(20~25t);14m(30t);16m (40~50t)
输出阻抗 Outpit resistance	1005±5Ω		





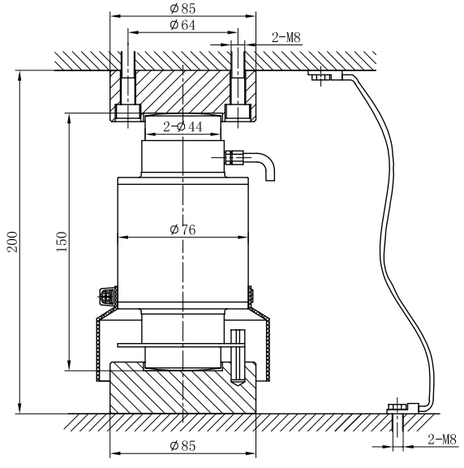


接线图Wiring Schematic diagram

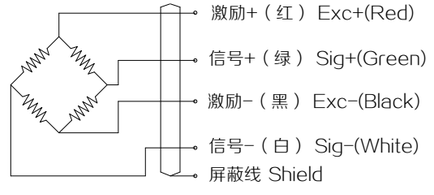


TECHNICAL PARAMETER 4Wires;Exc+(蓝，Bule)；Exc-（黑，Black);Slg+(白，White);Sig-（红，Red）

数字模块分辨数 A/D Module resolutin	100000 码
额定载荷Rated load	20、30、40、50(kg)
额定输出 Rated output	20000,30000,40000,50000
数据刷新速率 Digital refurbishing frepuency	15 次 / 秒
通讯波特率 Communication BPS	19200BPS
综合精度 Combined effor	±0.02%F.S
蠕变（30min) Creep(30min)	±0.02%F.S
温度系数 Tempperature effect	±0.02%F.S
使用温度范围 Operating temp range	-30~=70°C
零点输出 Zero balance	±0.02%F.S
安全过载 Safe overload	150%F.S
防护等级 Environmental protection	IP68
推荐输入电压 Recommend excitation	9~12V DC
最大输入电压 Maximum excitation	20V DC
最大传输电压 Maximum Transmitting Distance	200m

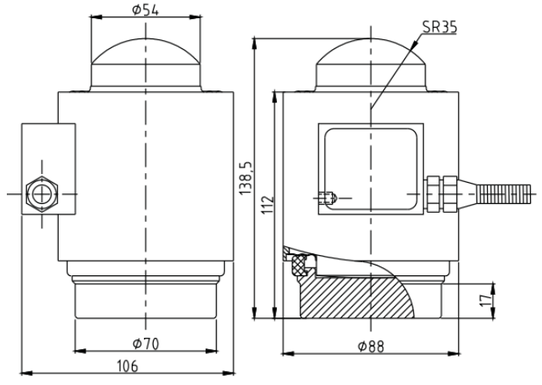


接线图Wiring Schematic diagram

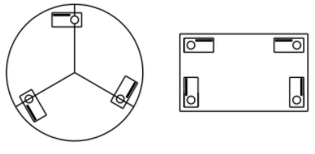


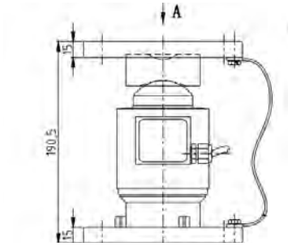
TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

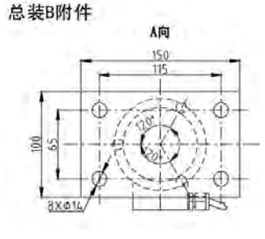
数字模块分辨数	A/D Module resolutin	60000 码
额定载荷	Rated load	20、25、30、40、50(kg)
额定输出	Rated output	20000,25000,30000,40000,50000
数据刷新速率	Digital refurbishing frepuency	50 次 / 秒
通讯波特率	Communication BPS	9600BPS
综合精度	Combined effor	±0.03%F.S
蠕变（30min)	Creep(30min)	±0.03%F.S
温度系数	Tempperature effect	±0.02%F.S
使用温度范围	Operating temp range	-30~=70°C
零点输出	Zero balance	±0.02%F.S
安全过载	Safe overload	150%F.S
防护等级	Environmental protection	IP68
推荐输入电压	Recommend excitation	9~12V DC
最大输入电压	Maximum excitation	20V DC
最大传输电压	Maximum Transmitting Distance	1200m

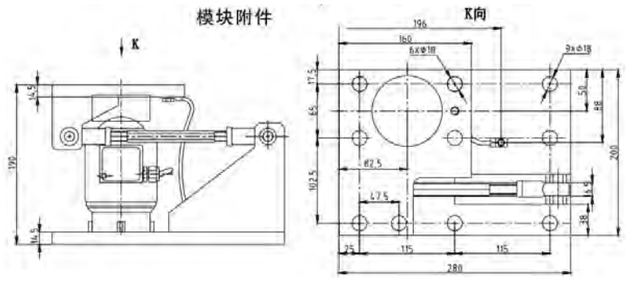


安装方式







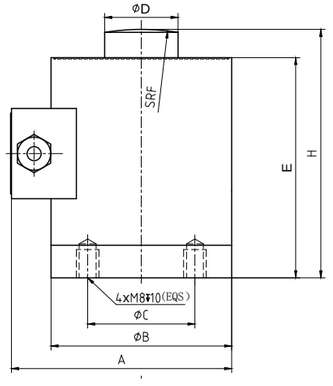


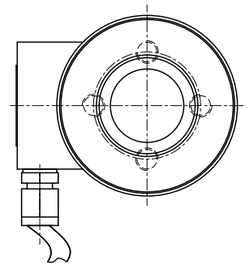
罐装秤、料斗称
Canned scale, hopper scale

TECHNICAL PARAMETER

6Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)；Sen+(蓝,Blue);Sen-(黄, Yellow)

额定载荷Rated load	10、15、20、25、30、40、50t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.05	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	1.0±0.002mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.05%F.S	安全负载 Safe load limit	180%F.S
滞后误差 Hysleresis error	±0.05%F.S	破坏负载 Breaking laod	300%F.S
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.03%F.S/10°C	密封等级 Protection Class	IP67
灵敏度温度影响 TC SPAN	±0.03%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	650±10Ω	电缆Cable	Length：14m
输出阻抗 Outpit resistance	610±3Ω		





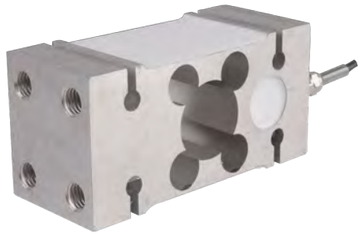
额定载荷 Rated load	H	A	B	C	D	E	F
1、2、3、5	88	70	64	38	26	78	80
10	106	89	76	48	34	95	120
15、20	130	108	88	56	34	116	120

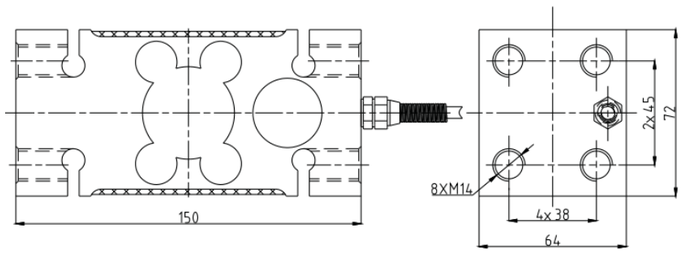
汽车衡、轨道衡、轴重称、地上衡
Truck scales, railway scales,Axle load scale, ground scale

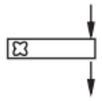
TECHNICAL PARAMETER

4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

额定载荷Rated load	1、2、3、5、10、15、20t	绝缘电阻 Insulation resistance	≥ 5000MΩ
灵敏度 Sensilivity	2.0±0.005mV/V	工作温度范围 Service Temp Range	-30~+70°C
综合误差 Total error	±0.1%F.S	安全负载 Safe load limit	120%F.S
蠕变 (30 分钟) Creep(30min)	±0.05%F.S	破坏负载 Breaking laod	150%F.S
零点平衡 Zero balance	±1%F.S	额定激励电压 Nominal of range excitation	10~12VDC
零点温度影响 TC ZERO	±0.05%F.S/10°C	最大激励电压 Maximum excitation	16VDC
灵敏度温度影响 TC SPAN	±0.05%F.S/10°C	密封等级 Protection Class	IP67
输入阻抗 Input reslstance	400±20Ω	材料 Material	合金钢Alloy Steel
输出阻抗 Outpit resistance	352±3Ω	电缆Cable	Length=3m Diameter: Ø 5mm





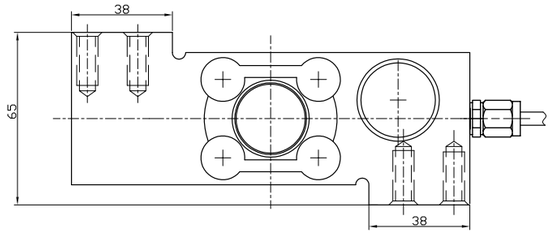


各种台秤、料斗称

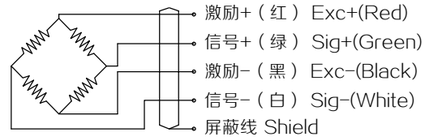
Various platform scales and hopper scales

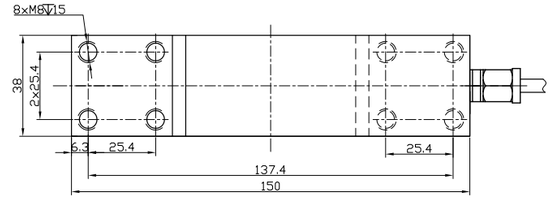
TECHNICAL PARAMETER 4Wires;Exc+(红, Red) ; Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

额定载荷Rated load	50、100、150、200、250、300、500kg、1t、2t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.02mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length=3m
输出阻抗 Outpit resistance	352±5Ω	最大称台尺寸 Max.platform size	800x800mm



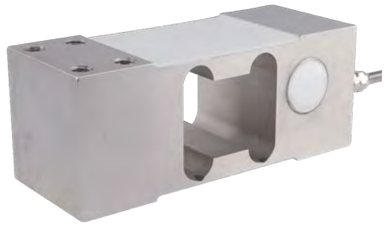
接线图Wiring Schematic diagram

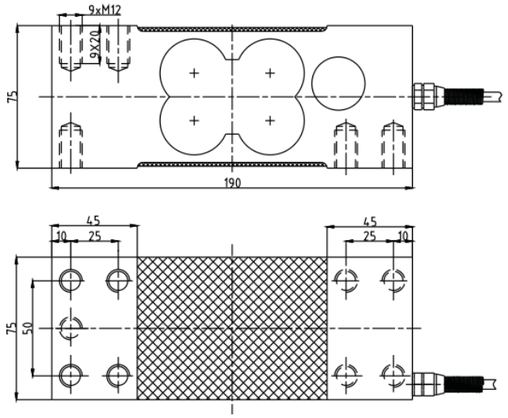


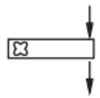


TECHNICAL PARAMETER 4Wires;Exc+(红, Red) ; Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

灵敏度	Sensitivity	2.0±0.2mV/V
线性误差	Non-linearity	±0.05/0.05%F.S
滞后误差	Hysteresis error	±0.05/%F.S
蠕变（30 分钟）	Creep(30min)	±0.05%F.S
零点温度影响	TC ZERO	±0.02%F.S/10°C
灵敏度温度影响	TC SPAN	±0.02%F.S/10°C
输入阻抗	Input resistance	400±20Ω
输出阻抗	Output resistance	352±5Ω
绝缘电阻	Insulation resistance	≥ 5000MΩ
额定温度	Nominal temp range	-10~+40°C
工作温度范围	Service temp range	-30~+70°C
安全负载	Safe load limit	150%F.S
破坏负载	Breaking load	200%F.S
额定激励电压	Nominal of range excitation	10-12 V DC
密封等级	Protection class	IP67
材料	Material	合金钢 Alloy steel
电缆	Cable	长度 Length=6m, 直径 Diameter: Ø 5mm
推荐安装平台	Max.piatform size	500×500mm







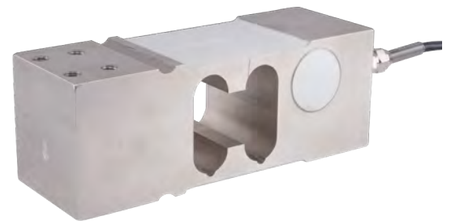
配料秤、包装称、动态检测系统、台秤

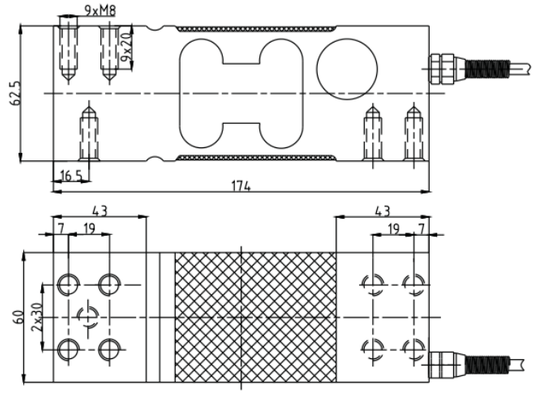
Ingredient scale, packaging scale, dynamic detection system, platform scale

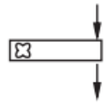
TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

额定载荷Rated load	50、100、150、200、300、500kg、1t、2t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.02mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Materia	合金钢Alloy Steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length=3m
输出阻抗 Outpit resistance	352±5Ω	最大称台尺寸 Max.platform size	600x800mm







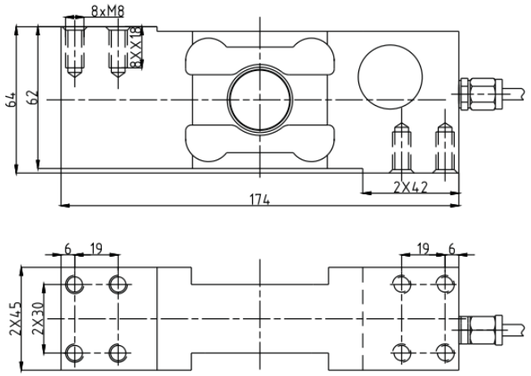
配料秤、包装称、动态检测系统、台秤

Ingredient scale, packaging scale, dynamic detection system, platform scale

TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

额定载荷Rated load	50、100、150、200、300、500、800kg、1t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.02mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length=3m
输出阻抗 Outpit resistance	352±5Ω	最大称台尺寸 Max.platform size	600x600mm



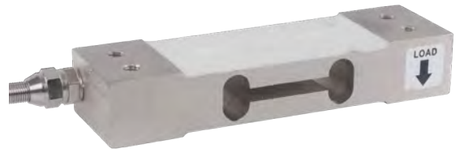
配料秤、包装称、动态检测系统、台秤

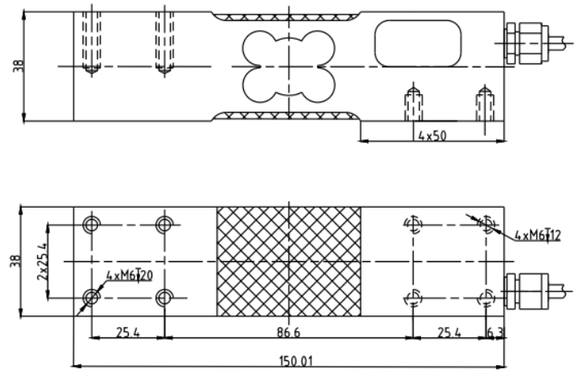
Ingredient scale, packaging scale, dynamic detection system, platform scale

TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

额定载荷Rated load	300、500、800kg、1t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.02mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	不锈钢stainless steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length=1.5m
输出阻抗 Outpit resistance	352±5Ω	最大称台尺寸 Max.platform size	600x600mm





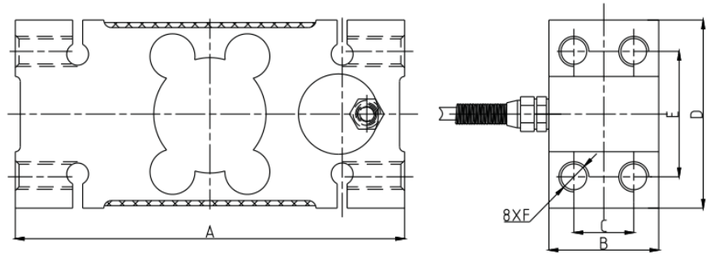
配料秤、包装称、动态检测系统、台秤

Ingredient scale, packaging scale, dynamic detection system, platform scale

TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

额定载荷Rated load	50、100、150、200、250kg	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.2mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length=1m, Diameter:5
输出阻抗 Outpit resistance	352±5Ω	最大称台尺寸 Max.platform size	400x400mm



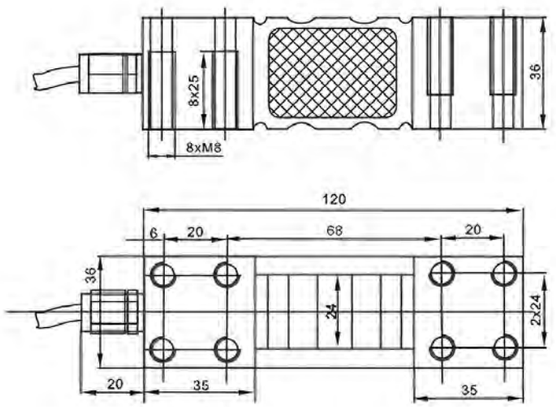
额定载荷 Rated load	A	B	C	D	E	F
50~200kg	156	44	24	75	50	M12
250~750kg	146	60	36	95	70	M12
1t~2t	176	76	46	125	95	M16

配料秤、包装称、动态检测系统、台秤
Ingredient scale, packaging scale, dynamic detection system, platform scale

TECHNICAL PARAMETER

4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

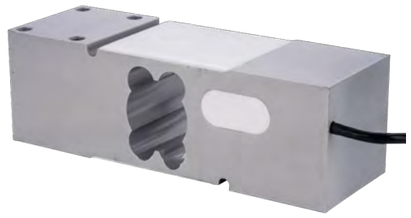
额定载荷Rated load	50、100、150、200、250、300、500、750kg、1t、2t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.03	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.2mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length=3m
输出阻抗 Outpit resistance	352±5Ω	最大称台尺寸 Max.platform size	400x400mm（50~200kg） 600x800mm（250~750kg） 1000x1000mm（1~2t）

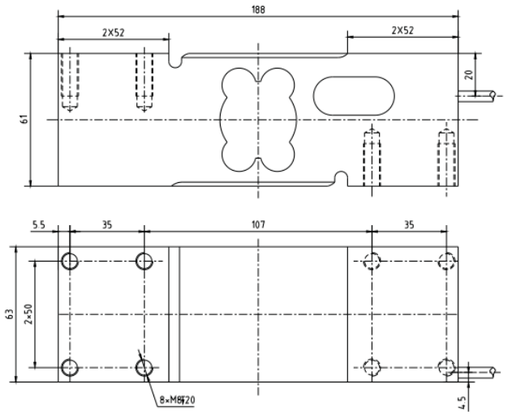


TECHNICAL PARAMETER

4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

额定载荷	Rated load	30、60、100、150、200、300(kg)
灵敏度	Sensitivity	2.0±0.2mV/V
综合误差	Total error	±0.03%F.S
蠕变（30 分钟）	Creep(30min)	±0.04%F.S
零点平衡	Zero balance	±1%F.S
零点温度影响	TCO	±0.02%F.S/10°C
输出温度影响	TC SPAN	±0.02%F.S/10°C
输入阻抗	Input resistance	400±20Ω
输出阻抗	Output resistance	350±3Ω
绝缘电阻	Insulation resistance	≥ 5000MΩ
工作温度范围	Operating temp Range	-30~+70°C
安全过载	Safe Overload	150%F.S
极限过载	Over load limit	200%F.S
推荐激励电压	Recommend excitation	10~12V DC
最大激励电压	Maximum excitation	15V DC
密封等级	Protection Class	IP66
材质	Material	铝合金 Aluminium
电缆	Cable	长度 Length:3cm 直径 Diameter: Ø 5cm





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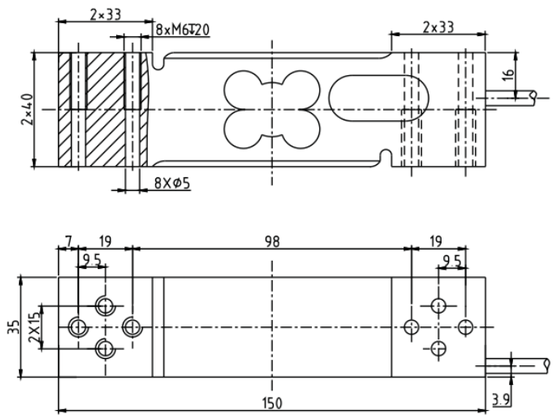
台秤、各种压式测力场合

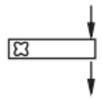
Platform scale, various pressure measuring occasions

TECHNICAL PARAMETER

4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

额定载荷Rated load	30、50、75、100、150、200、250、300、400、500、635、750、800、1000kg	额定温度 Nominal Temp Range	-10~+40℃
精度等级 Accuracy class	C3	工作温度范围 Service Temp Range	-20~+70℃
灵敏度 Sensilivity	2.0±0.2mV/V	安全负载 Safe load limit	150%F.S
线性误差 Non-linearity	±0.02%F.S	破环负载 Breaking laod	200%F.S
滞后误差 Hysleresis error	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	密封等级 Protection Class	IP65
零点温度影响 TC ZERO)	±0.02%F.S/10℃	材料 Materia	铝合金 Aluminium
灵敏度温度影响 TC SPAN	±0.02%F.S/10℃	电缆 Cable	Length：1.8m Diameter: ∅ 5mm
输入阻抗 Input reslstance	404±15Ω	推荐最大安装台面 Max.platform size	600x800mm
输出阻抗 Outpit resistance	350±3Ω		
绝缘电阻 Insulation resistance	≥ 2000MΩ		





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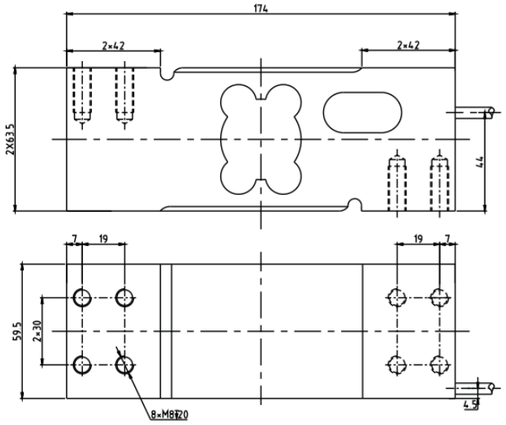
台秤、各种压式测力场合

Platform scale, various pressure measuring occasions

TECHNICAL PARAMETER

4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

额定载荷Rated load	15、20、30、35、50、60、100、150、200、250、300、500kg	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	C3	额定温度 Nominal Temp Range	-10~+40℃
灵敏度 Sensilivity	2.0±0.2mV/V	工作温度范围 Service Temp Range	-30~+70℃
线性误差 Non-linearity	±0.02%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.02%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10℃	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10℃	材料 Material	铝合金 Aluminium
输入阻抗 Input reslstance	404±20Ω	电缆 Cable	Length=1.8m
输出阻抗 Outpit resistance	350±3Ω	推荐最大安装台面 Max.platform. size	400x400mm



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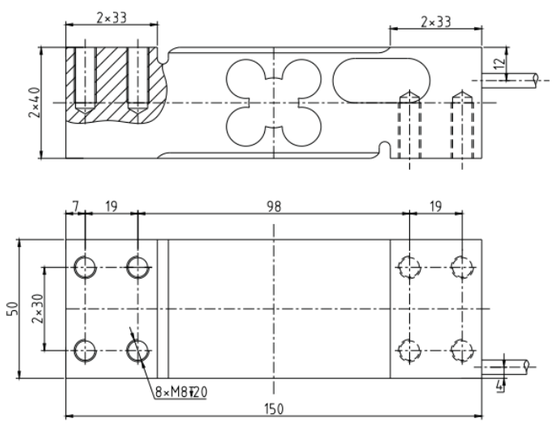
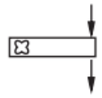
台秤、各种压式测力装置

Platform scale, various pressure measuring devices

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

额定载荷Rated load	50、60、75、100、150、200、250、300、350、500、600、635、750、800、1000kg	绝缘电阻 Insulation resistance	≥ 2000MΩ
精度等级 Accuracy class	C3	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.2mV/V	工作温度范围 Service Temp Range	-20~+70°C
线性误差 Non-linearity	±0.02%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.02%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	铝合金 Aluminium
输入阻抗 Input reslstance	404±15Ω	电缆 Cable	Length：1.8m
输出阻抗 Outpit resistance	350±3Ω	推荐最大安装台面 Max.platform size	600x600mm





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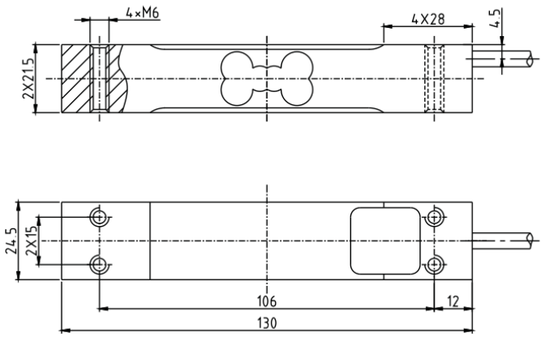
台秤、各种压式测力装置

Platform scale, various pressure measuring devices

TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

额定载荷Rated load	50、60、100、150、200、250、300、400、500kg	绝缘电阻 Insulation resistance	≥ 2000MΩ
精度等级 Accuracy class	C3	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.2mV/V	工作温度范围 Service Temp Range	-20~+60°C
线性误差 Non-linearity	±0.02%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.02%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	铝合金 Aluminium
输入阻抗 Input reslstance	404±15Ω	电缆 Cable	Length=1.8m，Diameter: Ø 5mm
输出阻抗 Outpit resistance	350±3Ω	推荐最大安装台面 Max.platform size	600x600mm



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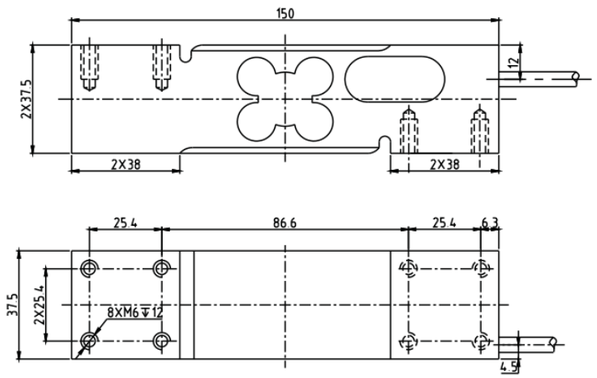
各种衡秤

Various scales

TECHNICAL PARAMETER 4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

额定载荷Rated load	5、6、8、10、15、 20、30、35、40kg	绝缘电阻 Insulation resistance	≥ 2000MΩ
精度等级 Accuracy class	C3	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.2mV/V	工作温度范围 Service Temp Range	-20~+60°C
线性误差 Non-linearity	±0.02%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.02%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	铝合金 Aluminium
输入阻抗 Input reslstance	404±15Ω	电缆 Cable	Length：0.5m ， Diameter: ∅ 5mm
输出阻抗 Outpit resistance	350±3Ω	推荐最大安装台面 Max.platform size	300x300mm



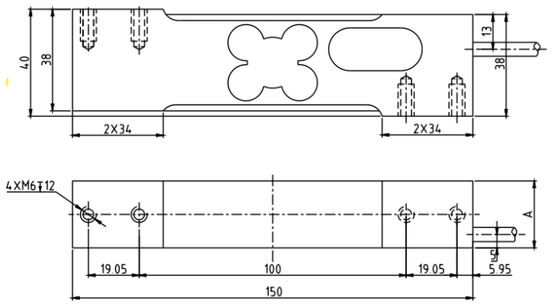
OIML

各种衡秤

Various scales

TECHNICAL PARAMETER 4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

额定载荷Rated load	50、60、100、150、200、 250、300、500kg	绝缘电阻 Insulation resistance	≥ 2000MΩ
精度等级 Accuracy class	C3	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.2mV/V	工作温度范围 Service Temp Range	-20~+60°C
线性误差 Non-linearity	±0.02%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.02%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	铝合金 Aluminium
输入阻抗 Input reslstance	404±15Ω	电缆 Cable	Length：1.8m
输出阻抗 Outpit resistance	350±3Ω	推荐最大安装台面 Max.platform size	400x400mm



OIML

额定载荷(kg) Rated load	8~30	50~200
A	20	25

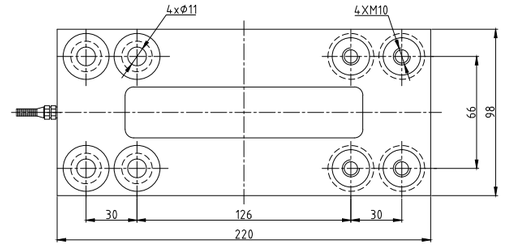
各种台秤、案秤

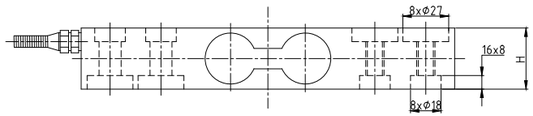
Various platform scales and case scales

TECHNICAL PARAMETER

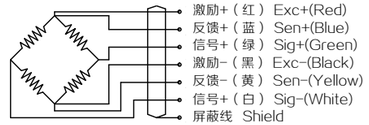
4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

额定载荷Rated load	5、6、8、10、15、20、30、35、40kg	绝缘电阻 Insulation resistance	≥ 2000MΩ
精度等级 Accuracy class	C3	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.2mV/V	工作温度范围 Service Temp Range	-20~+60°C
线性误差 Non-linearity	±0.02%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.02%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	铝合金 Aluminium
输入阻抗 Input reslstance	404±15Ω	电缆 Cable	Length：1.8m
输出阻抗 Outpit resistance	350±3Ω	推荐最大安装台面 Max.platform size	300x400mm





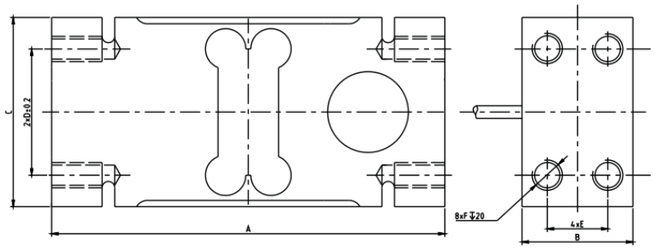
接线图Wiring Schematic diagram



TECHNICAL PARAMETER

Exc+(红, Red)；Exc-(黑, Black);Sen+(蓝, Bule)；Sen-(黄, Yellow)；Slg+(绿, Green); Sig-(白, White)

额定载荷	Rated load	150、300/500（kg)
灵敏度	Sensitivity	1.8±0.2mV/V
综合误差	Total error	±0.03/%F.S
蠕变（30 分钟）	Creep(30min)	±0.03%F.S
零点平衡	Zero balance	±1%F.S
零点温度影响	TC ZERO	±0.03%F.S/10°C
灵敏度温度影响	TC SPAN	±0.03%F.S/10°C
输入阻抗	Input resistance	400±20Ω
输出阻抗	Output resistance	352±5Ω
绝缘电阻	Insulation resistance	≥ 2000MΩ
额定温度	Nominal temp range	-10~+40°C
工作温度范围	Service temp range	-20~+50°C
安全负载	Safe load limit	150%F.S
破坏负载	Breaking load	200%F.S
额定激励电压	Nominal of range excitation	10-12 V DC
密封等级	Protection class	IP65
材料	Material	铝合金 Aluminium
电缆	Cable	长度 Length=2m, 直径 Diameter: ∅ 6mm
推荐安装平台	Max.piatform size	500×500mm



量程(kg) Range	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
50~200	156	44	75	50	24	M12
300~500	146	59	94	70	36	M12
750~2000	176	75	124	95	46	M16

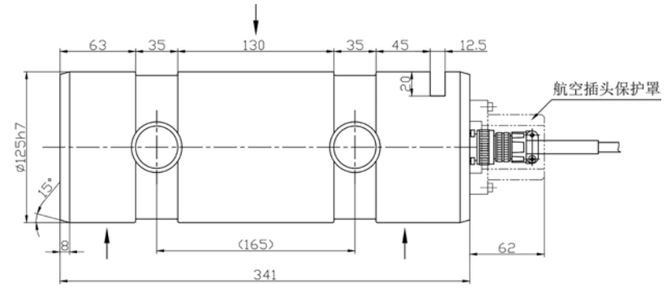
OIML

台秤、各种压式测力装置
Platform scale, various pressure measuring devices

TECHNICAL PARAMETER

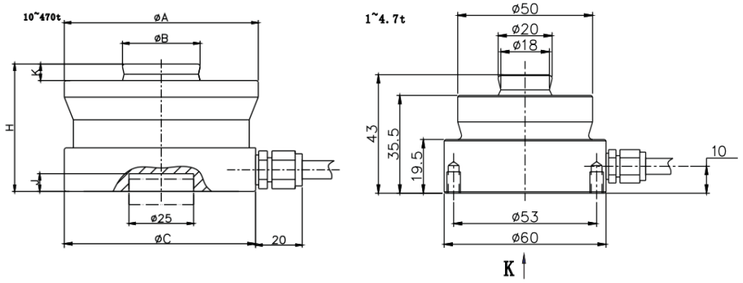
4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

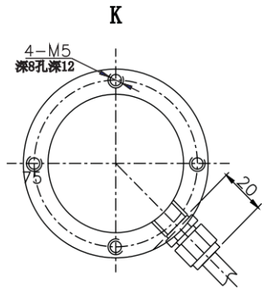
额定载荷Rated load	50、100、200、300、500、750kg 1t、2t	绝缘电阻 Insulation resistance	≥ 2000MΩ
精度等级 Accuracy class	±0.03%F.S	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.2mV/V	工作温度范围 Service Temp Range	-20~+60°C
线性误差 Non-linearity	±0.02%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.02%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟) Creep(30min)	±0.02%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	铝合金 Aluminium
输入阻抗 Input reslstance	404±15Ω	电缆 Cable	Length：1.8m
输出阻抗 Outpit resistance	350±3Ω	推荐最大安装台面 Max.platform size	600x600mm（50~200kg） 600x800mm（300~500kg） 1200x1200mm（750kg~2t）



TECHNICAL PARAMETER

额定载荷	Rated load	125，150t
综合误差	Total error	±0.3%F.S
蠕变 (30 分钟)	Creep(30min)	±0.05%F.S
零点平衡	Zero balance	±0.05%F.S
零点温度影响	TCO	±0.05%F.S/10°C
输出温度影响	TC SPAN	±0.05%F.S/10°C
输入阻抗	Input reslstance	750±30Ω
输出阻抗	Outpit resistance	703±2Ω
绝缘电阻	Insulation resistance	≥ 5000MΩ
工作温度范围	Service Temp Range	-30~+70°C
安全过载	Safe load limit	150%F.S
极限过载	Lateral load limit	300%F.S
密封等级	Protection Class	IP67
材料	Material	不锈钢Stainless steel
电缆	Cable	长度 Length: 20m 直径 Diameter: Ø 6mm





Capacity \ Dimension	A	B	C	H	K	J
10/15/22t	75	30	75	50	7	6.5
33t	95	40	95	65	7	10
47t	130	60	130	75	7	14
68t	130	60	130	85	7	14

Capacity \ Dimension	A	B	C	H	K	J
100t	150	70	150	90	7	16
150t	150	70	150	100	7	16
220t	225	100	225	130	10	24
330t	225	100	225	145	10	24
470t	270	100	270	170	10	28

OIML

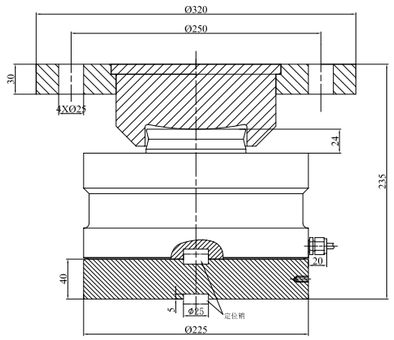
轴重秤、料斗秤、仓储秤、罐体秤

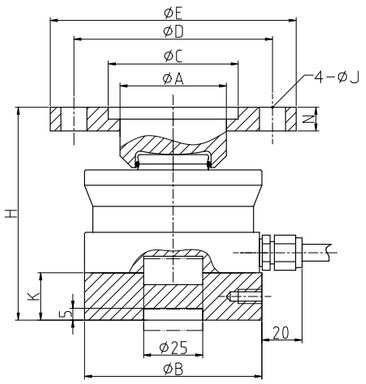
Axle scale, hopper scale, storage scale, tank scale

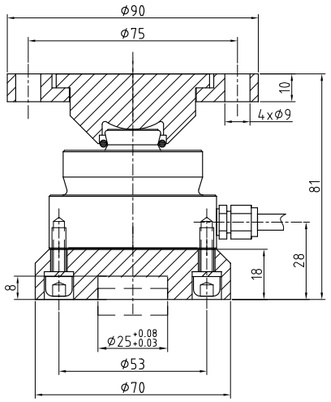
TECHNICAL PARAMETER

Wires;Sen+(蓝，Blue)；Sin+(白，White);Exc-(黑，Black);Sig-(红，Red)

额定载荷Rated load	1、2.2、3.3、4.7、10、15、22、23、47、68、100、150、220、330、470t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.1(1~150t),0.3(220~470t)	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.85±0.015mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.1%F.S(1~150t),±0.3%F.S(220~470t)	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.05%F.S(1~150t)	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟) Creep(30min)	±0.03%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP67
灵敏度温度影响 TC SPAN	±0.03%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	1450±10Ω	电缆Cable	Length：8m(1~4.7t) 12m(10~33t) 16m(68~470t)
输出阻抗 Outpit resistance	1450±5Ω		



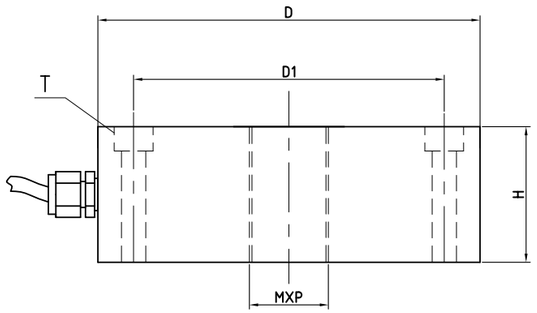




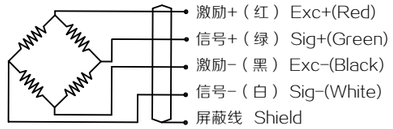
NHS1~4.7T

TECHNICAL PARAMETER

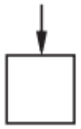
量程Capacity \ 尺寸Size(mm)	A	B	C	D	E	H	K	J	N
10~22t	45	75	55	80	100	95	20	11.5	10
33t	58	95	68	95	120	120	25	13	12
47t	80	130	92	130	170	140	30	17.5	20
68t	80	130	92	130	170	150	30	17.5	20
100t	100	150	110	150	200	177	40	25	22
150t	100	150	110	150	200	187	40	25	22



接线图Wiring Schematic diagram



额定载荷(t) Rated load	D	MXP	D1	H	T	精度
1、2、3	∅ 105	M14X2	90	45	∅ 7/ ∅ 11↧8	±0.05%
5	∅ 120	M20X1.5	104.5	50	∅ 9/ ∅ 13.5↧11	±0.05%
10、20	∅ 155	M32X2	133	60	∅ 11/ ∅ 16.5↧11	±0.1%
30	∅ 155	M40X1.5	133	65	∅ 17/ ∅ 25↧18	±0.3%

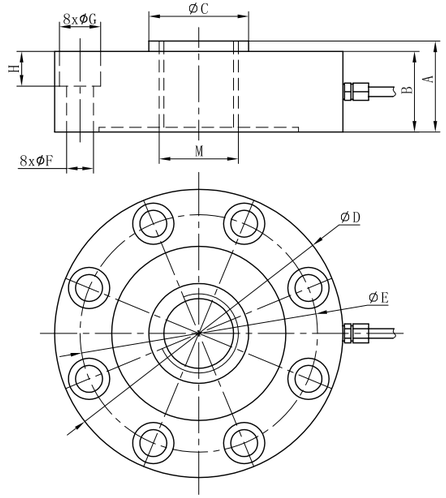


仓储秤、实验机
Storage scale, experimental machine

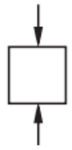
TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷 Rated load	见表（t）
灵敏度 Sensitivity	2.0±0.006mV/V
综合误差 Total error	见表 %F.S
蠕变（30 分钟）Creep(30min)	±0.05%F.S
零点平衡 Zero balance	±1%F.S
零点温度影响 TC ZERO	±0.05%F.S/10°C
输出温度影响 TC SPAN	±0.05%F.S/10°C
输入阻抗 Input resistance	400±10Ω
输出阻抗 Output resistance	352±3Ω
绝缘电阻 Insulation resistance	≥ 5000MΩ
工作温度范围 Service temp range	-30~+70°C
安全过载 Safe load limit	120%F.S
极限过载 Latcral load limit	150%F.S
推荐激励电压 Recommend excitation	10-12 V DC
最大激励电压 Maximum excitation	15V DC
密封等级 Protection class	IP67
材料 Material	合金钢 Alloy Steel
电缆 Cable	长度 Length=12m, 直径 Diameter: ∅ 6mm



额定载荷(t) Rated load	A	B	C	D	E	F	G	H	M
2~5	47	42	35	110	95	7	11	10	M24×1
10~30	57.2	50.8	50.4	141	116.8	11	18	11	M40×1.5
50~60	57.5	51	63	182	150	17	26	22	M50×3

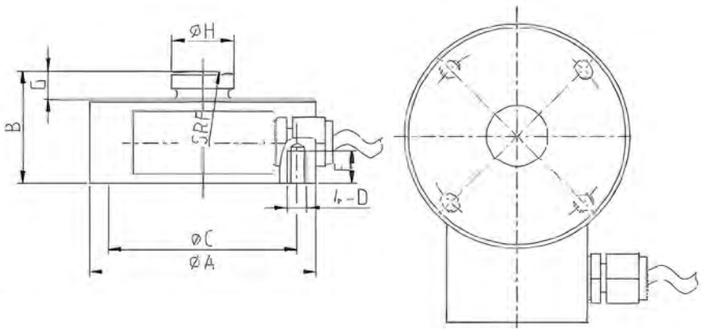


轴重秤、仓储秤、实验机
Axle scale, storage scale, experimental machine

TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷Rated load	2、3、5、10、20、30、50、60(t)	绝缘电阻 Insulation resistance	≥ 5000MΩ
灵敏度 Sensilivity	3.0±0.006mV/V	工作温度范围 Service Temp Range	-30~+70°C
综合误差 Total error	±0.5%F.S	安全负载 Safe load limit	120%F.S
蠕变 (30 分钟） Creep(30min)	±0.05%F.S	极限过载 Latcral load limit	150%F.S
零点平衡 Zero balance	±1%F.S	推荐激励电压 Recommend excitation	10~12V
零点温度影响 TC ZERO	±0.03%F.S/10°C	最大激励电压 Maximum excitation	15V
灵敏度温度影响 TC SPAN	±0.05%F.S/10°C	密封等级 Protection Class	IP66
输入阻抗 Input reslstance	750±50Ω	材料 Material	合金钢Alloy Steel
输出阻抗 Outpit resistance	702±3Ω	电缆Cable	长度Length：6m 直径 Diameter：∅ 6mm



量程(t) Range	A	B	C	D	E	F	G	H
0.05~1	50	30	42	M5	/	60	/	13
2~5	90	45	70	M10	12	100	12.5	25
10~25	115	60	90	M12	16	160	12.5	32
65	155	90	125	M16	20	300	16.5	44

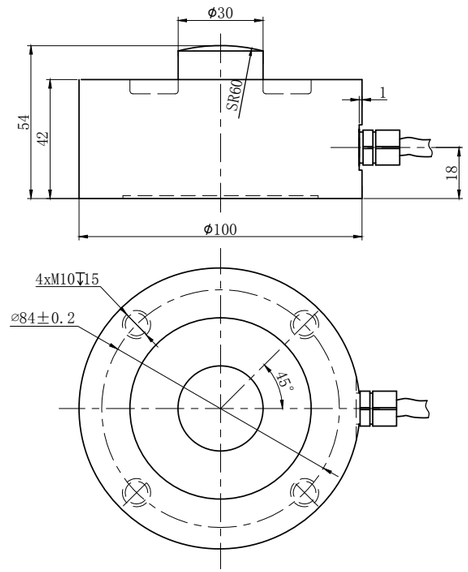
平台秤、配料控制系统

Platform scale, ingredient control system

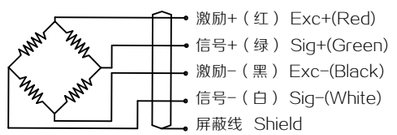
TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

额定载荷Rated load	0.05、0.1、0.2、0.5、1、2、5、10、20、50t	绝缘电阻 Insulation resistance	≥ 5000MΩ
灵敏度 Sensilivity	2.0±0.02mV/V	工作温度范围 Service Temp Range	-30~+70°C
综合误差 Total error	±0.5%F.S	安全负载 Safe load limit	150%F.S
蠕变 (30 分钟) Creep(30min)	±0.05%F.S	破环负载 Breaking laod	200%F.S
零点平衡 Zero balance	±1%F.S	额定激励电压 Nominal of range excitation	10~12VDC
零点温度影响 TC ZERO	±0.05%F.S/10°C	最大激励电压 Maximum excitation	16VDC
灵敏度温度影响 TC SPAN	±0.05%F.S/10°C	密封等级 Protection Class	IP68
输入阻抗 Input reslstance	400±10Ω	材料 Material	合金钢Alloy Steel
输出阻抗 Outpit resistance	352±2Ω	电缆Cable	Length=3m Diameter: ∅ 5mm



接线图Wiring Schematic diagram



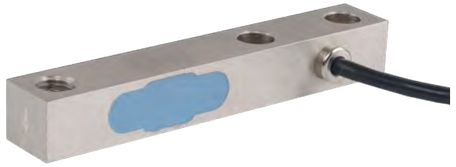
料管秤、各种压式测力题

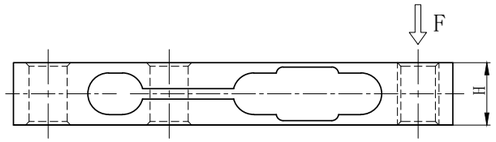
Platform scale, ingredient control system

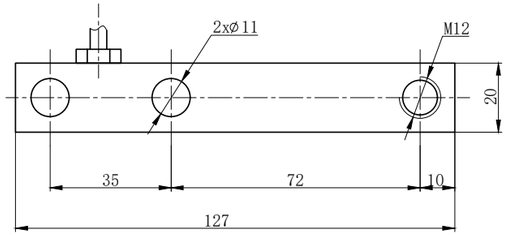
TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-(黑，Black);Slg+(绿，Green);Sig-(白，White)

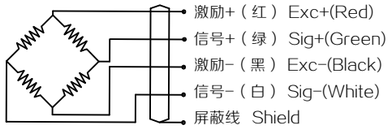
额定载荷Rated load	1、2、3、5、7.5、10t	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.1	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensilivity	2.0±0.01mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.1%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.1%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟) Creep(30min)	±0.05%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO	±0.02%F.S/10°C	密封等级 Protection Class	IP68
灵敏度温度影响 TC SPAN	±0.05%F.S/10°C	材料 Material	合金钢Alloy Steel 不锈钢stainless steel
输入阻抗 Input reslstance	750±10Ω	电缆Cable	Length：8m
输出阻抗 Outpit resistance	702±5Ω		







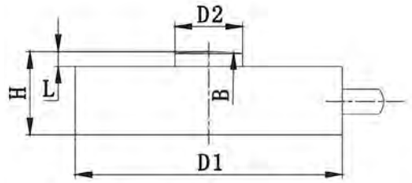
接线图Wiring Schematic diagram

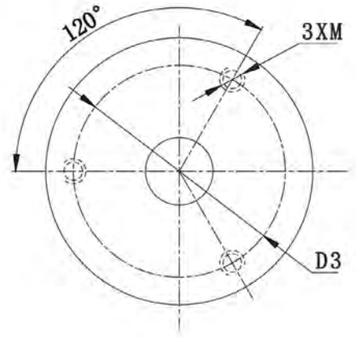


TECHNICAL PARAMETER

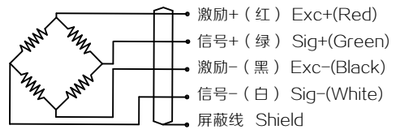
4Wires;Exc+(红, Red)；Exc-（黑, Black);Slg+(绿, Green);Sig-（白, White）

额定载荷Rated load	50、100、150、200、250、500、1000(kg)	绝缘电阻 Insulation resistance	≥ 5000MΩ
灵敏度 Sensilivit	1.6±0.002(50kg)mV/V 1.9±0.002(150kg)mV/V 2.0±0.002(其余量程)mV/V	工作温度范围 Service Temp Range	-30~+70°C
综合误差 Total error	±0.03%F.S	安全负载 Safe load limit	150%F.S
蠕变（30 分钟）Creep(30min)	±0.03%F.S	极限负载 Lateral load limit	200%F.S
零点平衡 Zreo balance	0~0.02mV/V	推荐激励电压 Recommend excitation	10-12 V DC
零点温度影响 TCO	±0.03%F.S/10°C	最大激励电压 Maximum excitation	15V DC
输出温度影响 TC SPAN	±0.02%F.S/10°C	密封等级 Protection Class	IP66
输入阻抗 Input reslstance	400±20Ω	材料 Material	合金钢Alloy Steel
输出阻抗 Outpit resistance	352±3Ω	电缆 Cable	长度 Length：2.6m 直径 Diameter: Ø 5mm





接线图Wiring Schematic diagram



量程(lb) Range	D1	D2	D3	H	L	M	B
100~500	32	8.1	25.4	10	1.8	#6-32UNC	SR35
1000~2500	38	11	31.4	16	2	#6-32UNC	SR40

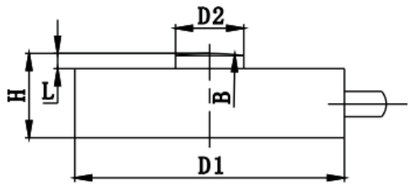
空间小的压式测力场合

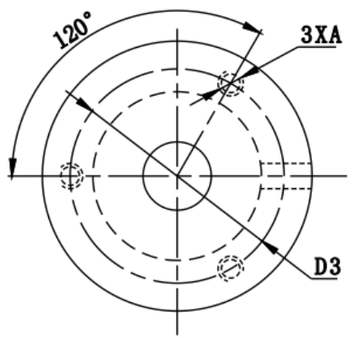
Pressure testing for small space

TECHNICAL PARAMETER

4Wires;Exc+(红, Red)；Exc-（黑, Black);Slg+(绿, Green);Sig-（白, White）

额定载荷Rated load	100,200,250,500,1000,1500,2500	绝缘电阻 Insulation resistance	≥ 5000/50VDC
重复性 Repeatability	±0.5%F.S	额定温度 Nominal Temp Range	-30~+70°C
灵敏度 Sensilivity	1.5±0.5mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.5%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.5%F.S	破坏负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.2%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.2%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.2%F.S/10°C	材料 Material	不锈钢17-4PHstainless steel
输入阻抗 Input reslstance	350±50Ω	电缆Cable	Length：Ø 3×1.5m
输出阻抗 Outpit resistance	352±3Ω		





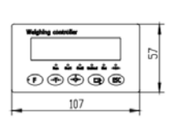
量程(lb) Range	D1	D2	D3	H	L	A	B
200~1000	32	8.1	25.4	10	1.8	#6-32UNC	SR35
3000~5000	38	11	31.4	16	2	#6-32UNC	SR40

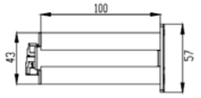
空间小的压式测力场合
Pressure testing for small space

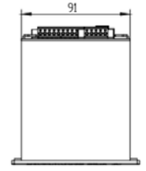
TECHNICAL PARAMETER

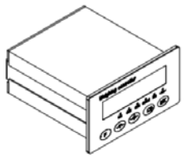
4Wires;Exc+(红, Red)；Exc-(黑, Black);Slg+(绿, Green);Sig-(白, White)

额定载荷Rated load	200、250、500、1000、3000、5000lb	绝缘电阻 Insulation resistance	≥ 5000MΩ
精度等级 Accuracy class	0.5（200lb~500lb)1（1000lb~5000lb）	额定温度 Nominal Temp Range	-10°C ~+40°C
灵敏度 Sensilivity	1.0~2.0mV/V (不补偿 Uncompensated)	工作温度范围 Service Temp Range	-30°C ~+70°C
线性误差 Non-linearity	±0.5%F.S（200lb~500lb） ±1%F.S（1000lb~5000lb）	安全负载 Safe load limit	120%F.S
滞后误差 Hysleresis error	±0.5%F.S（200lb~500lb） ±1%F.S（1000lb~5000lb）	破环负载 Breaking laod	150%F.S
蠕变 (30 分钟） Creep(30min)	±0.1%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.2%F.S/10°C	密封等级 Protection Class	IP65
灵敏度温度影响 TC SPAN	±0.2%F.S/10°C	材料 Material	不锈钢stainless steel
输入阻抗 Input reslstance	400±50Ω	电缆Cable	Length：1.5m
输出阻抗 Outpit resistance	352±5Ω		









PRODUCT INTRODUCTION

※特点：

1、 内嵌抗EMC干扰电路，抗电磁干扰能力强、数据稳定，适用工业现场的应用。
2、 具有传感器断线、反接、信号超量程等故障诊断功能。
3、 支持零点跟踪和自动归零功能。
4、 特定的数据滤波方式，称重数据快速、稳定、准确、高分辨率。
5、 高精度、高分辨率 Σ-△ 型A/D转换，最大A/D脉冲数：1,000,000 。
6、 更新速率可选择：30次/秒、60次/秒、100次/秒、200次/秒。
7、 四路晶体管输出，输出模式可设定。
8、 三路开关量输入。
9、 RS232/RS485数字通讯接口，支持Modbus-RTU通讯, 大屏幕通讯等。
10、20mA电流环接口，协议兼容耀华大屏幕。
11、可设定模拟输出类型： 0～20mA、4～20mA、0～5V或0～10V。
12、晶体管输出模式可设:分选、定值、定量、减量、配料、检重、峰值等模式。
13、支持上位机对控制器进行标定。
14、支持上位机通讯置零、配料启动和停止等操作。
15、四线制传感器输入接口。
16、6位LED数码管显示。
17、不锈钢防腐面板，全金属屏蔽外壳。

※FEATURES:

1. Integrated anti-EMC circuit delivers robust EMI immunity and stable data performance, ideal for industrial on-site operation.
2. Fault diagnosis for sensor open circuit, reverse connection & signal overrange.
3. Zero tracking & automatic zero reset supported.
4. Specialized data filtering method enables fast, stable, accurate and high-resolution weighing data.
5. High-precision, high-resolution Σ-Δ type A/D conversion, maximum A/D pulse count: 1,000,000.
6. Selectable update rates: 30 Hz, 60 Hz, 100 Hz, 200 Hz.
7. Four-channel transistor output with configurable output modes.
8. Three-channel digital input.
9. Equipped with RS232/RS485 digital communication interfaces, which support Modbus-RTU communication, large-screen communication and other protocols.
10. Equipped with a 20mA current loop interface whose protocol is compatible with Yaohua large-screen displays.
11. Analog output types are configurable, including 0～20mA, 4～20mA, 0～5V and 0～10V.
12. Transistor output modes are configurable: sorting, fixed value, quantitative dosing, decremental weighing, batching, check weighing, peak value and other modes.
13. The controller supports calibration operations performed by the upper computer.
14. Supports upper computer communication for operations such as zero setting, batching start and stop.
15. Four-wire sensor input interface.
16. 6-digit LED digital tube display
17. Stainless steel anti-corrosion panel, all-metal shielded enclosure.

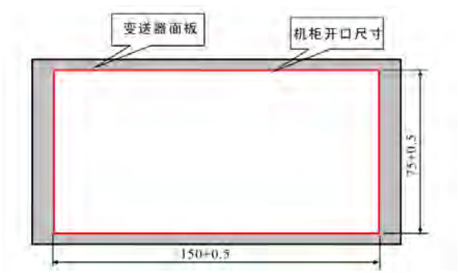
TECHNICAL PARAMETER

技术参数 Technical parameter			
激励电压 Excitation voltage	5.0VDC，可驱动 6 只 350 的模拟式传感器 5.0 VDC, capable of driving 6 analog sensors with 350Ω resistance.	模拟电压输出 Analog voltage output	Min 10 KΩ
量程信号范围 Range signal range	1.5～40mV	满量程温度系数 Full-scale temperature coefficient	5PPM/°C
零点信号范围 Zero point signal range	-40～38.5mV	零点温度漂移 Zero-Point temperature drift	0.06 uV/°C
模拟电流输出 Analog current output	Max 500Ω	最高灵敏度 Maximum sensitivity	0.6uV/d
晶体管输入电流电压 Transistor input current and voltage	500mA/24VDC	非线性 Non-linearity	优于 0.01%FS
模拟输出零点漂移 Analog output zero-point drift	50PPM／°C	模拟输出量程漂移 Analog output range drift	50PPM／°C
使用温度为 The service temperature is	-20°C～50°C，湿度为 10%～95%，无冷凝 -20° C to 50° C, Humidity 10% to 95%, Non-conden	存贮温度为 The storage temperature is	-30°C～60°C，湿度为 10%～95%，无冷凝 -30° C ~ 60° C, Humidity 10% ~ 95%, Non-condensing
电源电压范围 Power supply voltage range	直流 19.228.8V，最大功耗 6 瓦。控制器需要良好的接地线，并不可与电机、晶体管或加热器等易产生电源噪声的设备共用一个电源。 DC 19.2–28.8V, Max Power Consumption 6W. The controller requires a good grounding connection and must not share a power supply with devices that generate electrical noise, such as motors, transistors, or heaters.		

PRODUCT INTRODUCTION

※特点：

1、 内嵌抗EMC干扰电路，抗电磁干扰能力强、数据稳定，适用工业现场的应用。
2、 三种标定方式：砝码标定、标定参数修改、灵敏度输入标定（免砝码标定）。
3、 可选择RS232或RS485两种方式，支持Modbus-RTU通讯多字连续读写功能。
4、 可设定模拟输出类型： 0～20mA、4～20mA、0～5V或0～10V。
5、 继电器输出模式可设:分选、定值、定量、减量、配料、峰值等模式。
6、 支持实际加料重量超差时，自动启动点动加料。
7、 支持上位机对控制器进行标定。
8、 循环配料次数可以设置，支持无限次循环配料功能。
9、 配料次数累计功能，实际配料重量上位机读取功能。
10、支持上位机通讯置零、去皮、配料启动和停止等一系列操作。
11、不锈钢防腐面板，全金属屏蔽外壳。
12、24BIT -△ 型A/D转换，最大A/D脉冲数：1,000,000。
13、AD速率可选： 30次/秒、50次/秒、100次/秒、200次/秒、400次/秒。
14、7位0.56英寸LED数码管显示, 10段光柱指示，7个LED指示灯。

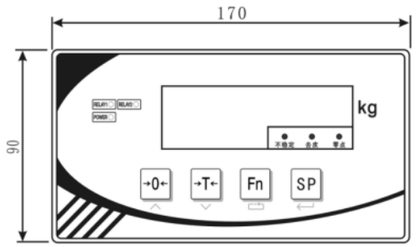


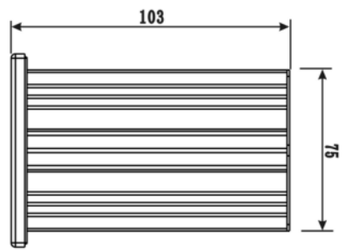
※FEATURES:

1. Built-in anti-EMC interference circuit, featuring strong electromagnetic interference (EMI) resistance and stable data, suitable for industrial on-site applications.
2. Three calibration methods: Weight Calibration, Calibration Parameter Modification, and Sensitivity Input Calibration (Weight-Free Calibration).
3. Optional communication interfaces: RS232 or RS485, supporting Modbus-RTU communication with multi-word continuous read/write functions.
4. Configurable analog output types: 0～20mA, 4～20mA, 0～5V, or 0～10V.
5. Configurable relay output modes: Sorting, Fixed Value, Fixed Quantity, Reduction, Batching, Peak Value, etc.
6. Automatically triggers inching feeding when the actual feeding weight exceeds the allowable deviation.
7. Supports controller calibration via upper computer.
8. Configurable cyclic batching times, with unlimited cyclic batching function.
9. Batching count accumulation function and actual batching weight readback via upper computer.
10. Supports a series of upper computer operations via communication: Zero Setting, Tare, Batching Start/Stop, etc.
11. Stainless steel corrosion-resistant panel and full-metal shielded enclosure.
12. 24-bit Σ-Δ type A/D conversion, maximum A/D pulse count: 1,000,000.
13. Selectable A/D conversion rates: 30 times/sec, 50 times/sec, 100 times/sec, 200 times/sec, 400 times/sec.
14. 7-digit 0.56-inch LED nixie tube display, 10-segment bar graph indicator, and 7 LED status indicators.

TECHNICAL PARAMETER

技术参数 Technical parameter			
激励电压 Excitation voltage	5.0VDC，可驱动 8 只 350 的模拟式传感器 5.0 VDC, capable of driving 8 analog sensors with 350Ω resistance.	模拟电压输出 Analog voltage output	Min 10 KΩ
量程信号范围 Range signal range	1.5 ～ 40mV	继电器触点容量 Relay contact rating	交流 AC 3A ／ 250V，直流 DC 3A ／ 30V
零点信号范围 Zero point signal range	-40 ～ 38.5mV	最高灵敏度 Maximum sensitivity	0.1uV/d; 非线性：优于 0.01%FS 0.1 μV/d; Non-linearity: better than 0.01% F.S.
模拟电流输出 Analog current output	Max 500Ω	使用温度为 The service temperature is	-20°C～ 50°C，湿度为 10%～ 95%，无冷凝 -20°C to 50°C , Humidity 10% to 95%, non-condensing
电源电压范围 Power supply voltage range	交流 200 ～ 240V，频率 50Hz，最大功耗 8 瓦。控制器需要良好的接地线，并不可与电机、继电器或加热器等易产生电源噪声的设备共用一个电源。（直流款为 DC24V 输入） AC 200-240V, 50Hz, Max Power Consumption 8W. The controller requires a good grounding connection and must not share a power supply with devices that generate electrical noise, such as motors, relays, or heaters. (DC model features DC24V input).		





PRODUCT INTRODUCTION

※特点：

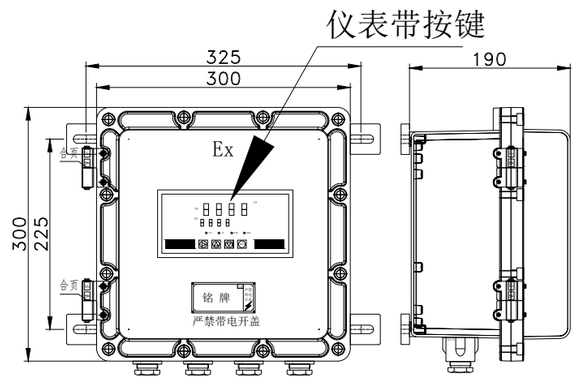
1、 Σ-△ 型高精度A/D转换，分辨率:24bit
2、 可选的数据更新速率：6.25次/秒、12.5次/秒、25次/秒、50次/秒/
3、 两路继电器输出:两路均为常开触点
4、 隔离RS232与RS485 通讯接口
5、三种标定方法，可适应多种场合
6、 带有模拟信号输出：4～20mA、0～20mA、0～5V或0～10V
7、 7位LED数码管显示，字高0.56寸，20段光柱指示
8、 独立的大屏幕接口（电流环方式）

※FEATURES:

1. Σ-Δ type high-precision A/D conversion, resolution: 24-bit
2. Selectable data update rates: 6.25 times/sec, 12.5 times/sec, 25 times/sec, 50 times/sec
3. Two-channel relay output: both channels feature normally open contacts
4. Isolated RS232 and RS485 communication interfaces
5. Three calibration methods, adaptable to various scenarios
6. Equipped with analog signal output: 4～20mA, 0～20mA, 0～5V, or 0～10V
7. 7-digit LED nixie tube display with a digit height of 0.56 inches, plus 20-segment bar graph indicator
8. Independent large-screen interface (current loop mode)

TECHNICAL PARAMETER

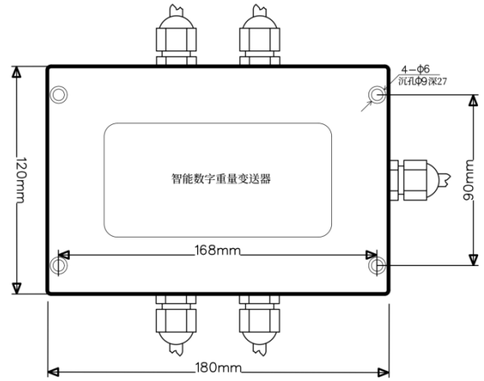
技术参数 Technical parameter			
激励电压 Excitation voltage	5.0VDC，可驱动 8 只 350 的模拟式传感器 5.0 VDC, capable of driving 8 analog sensors with 350Ω resistance.	继电器触点容量 Relay contact rating	交流 AC 5A ／ 250V，直流 DC 5A ／ 30V
模拟电流输出 Analog current output	负载阻抗小于 500Ω Load Impedance < 500Ω	输入灵敏度 Input sensitivity	大于 ＞ 1.5uV/d
模拟电压输出 Analog voltage output	负载阻抗大于 200 KΩ Load Impedance > 200 kΩ	非线性 Non-linearity	优于 0.01%FS Better than 0.01% F.S.
模拟电流输出 Analog current output	Max 500Ω	使用温度为 The service temperature is	-10°C ~40°C，小于 85% RH，无冷凝 -10° C ~ 40° C, < 85% RH, Non-condensing
存贮温度为 The storage temperature is	-20°C～ 60°C，小于 85% RH，无冷凝 -20° C ~ 60° C, < 85% RH, Non-condensing	电源电压范围 Power supply voltage range	电源电压范围： 常规交流 220V，频率 50Hz/60Hz，最大功耗 12 瓦。可定制直流 24V。其它电压请按照仪表铭牌上的标注电压使用，仪表属于高精度设备需要良好的接地线，且不可与电机、加热器等易产生电源噪声的设备共用一个电源。 Power Supply Voltage Range: Standard AC 220V, 50Hz/60Hz, Max Power Consumption 12W. DC 24V is available upon request. For other voltages, please refer to the rating label on the instrument. As a high-precision device, the instrument requires a proper grounding connection and must not share a power supply with noise-generating equipment such as motors or heaters.



TECHNICAL PARAMETER

技术参数 Technical parameter	
箱体材质 Box Material	采用优质 102L 铝合金材质，外部高压静电喷塑 High-quality 102L aluminum alloy material is adopted, with external high-voltage electrostatic spraying
箱体要求 Box Requirements	箱体不得有沙眼、磕碰、划伤，外观光滑，无瑕疵 The cabinet shall be free of sand holes, bumps, scratches, with a smooth and flawless appearance.
防爆等级 Explosion-Proof Rating	防爆标志 :Exd IIBT6 Gb/Ex tD A21 IP66 T80°C C Explosion-proof Marking: Ex d IIB T6 Gb / Ex tD A21 IP66 T80°C
防护等级 IP Rating	防护等级 :IP66，防腐等级：WF1 IP Rating: IP66, Corrosion Protection Class: WF1
技术规范 Technical Specification	线路要规范，整齐，线号按图纸要求，标识要明确 The wiring shall be standardized and neat; the wire numbers shall comply with the drawing requirements, and the markings shall be clear and unambiguous
技术要求 Technical Requirements	接线老牢靠，防止松动，严格按电气规范要求生产 The wiring connections shall be secure and reliable to prevent loosening, and production shall be carried out in strict compliance with electrical specifications
箱体尺寸 Box Dimensions	外形尺寸 :300*300*190mm；安装孔尺寸：mm Overall Dimensions: 300×300×190 mm; Mounting Hole Dimensions: mm
安装方式 Installation Method	挂式安装，下进下出 Wall-mounted installation, bottom inlet and bottom outlet
备注 Translation	室内使用 High

通径 Nominal Diameter	相对应的管螺纹（G"） Corresponding Pipe Thread (G")	俗称 Common Name	允许电缆最大外径 (mm) Maximum Allowable Outer Diameter of Cable (mm)
DN15	G½"	4 分	∅ 7- ∅ 10
DN20	G¾"	6 分	∅ 10- ∅ 14
DN25	G1"	1 吋	∅ 12- ∅ 18
DN32	G1¼"	1.2 吋	∅ 15- ∅ 25
DN40	G1½"	1.5 吋	∅ 18- ∅ 30
DN50	G2"	2 吋	∅ 25- ∅ 38
DN70	G2½"	2.5 吋	∅ 30- ∅ 46
DN80	G3"	3 吋	∅ 38- ∅ 56
DN100	G4"	4 吋	∅ 61- ∅ 80



PRODUCT INTRODUCTION

※特点：

1、采用高速的24位Σ-ΔA/D 转换器，信号高速采样、高分辨率、精心设计动态滤波程序，数据高速稳定可靠。

2、支持重量标定、滤波强度设置、地址修改、通讯稳定不中断不掉数据，抗电磁干扰能力强，适用工业现场的应用。

3、通讯接口可选择：RS485接口或RS232接口。

4、MODBUS-RTU通讯方式。

5、宽电压工作范围：DC9～28V。

6、通讯地址支持拨码开关设置或上位机设置。

7、通讯波特率支持拨码开关设置或上位机设置，波特率设置范围2400～115200。

8、支持上位机通讯初始化。

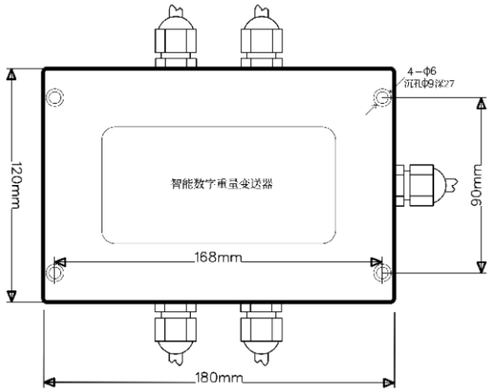
9、通讯支持广播指令。

※FEATURES:

1. Adopts a high-speed 24-bit Σ-Δ A/D converter, enabling high-speed signal sampling and high resolution; a well-designed dynamic filtering program ensures high-speed, stable and reliable data.
2. Supports weight calibration, filtering intensity setting, and address modification; features stable communication without interruption or data loss, along with strong anti-electromagnetic interference capability, making it suitable for industrial on-site applications.
3. Selectable communication interfaces: RS485 interface or RS232 interface.
4. MODBUS-RTU communication protocol.
5. Wide voltage operating range: DC 9～28V.
6. Communication address can be set via DIP switch or upper computer.
7. Communication baud rate can be set via DIP switch or upper computer, with asetting range of 2400～115200 bps.
8. Supports communication initialization via upper computer.
9. Communication supports broadcast commands.

TECHNICAL PARAMETER

技术参数 Technical parameter			
AD 内码分辨率 AD internal code resolution	54 万（对应灵敏度：2.0mV/V，灵敏度越大内码也越大） 540,000 (Corresponding to Sensitivity: 2.0 mV/V. Note: Higher sensitivity results in a larger internal code.)	非线性 Non-linearity	优于 0.01%FS Better than 0.01% F.S.
清零范围 Zero clearing range	负载阻抗小于 500Ω Load Impedance < 500Ω	传感器激励电压 Sensor Excitation Voltage	直流 5VDC，可驱动 1 ～ 4 只传感器（输出电阻≥ 350 ） DC 5V, capable of driving 1 to 4 sensors (Output Resistance ≥ 350Ω)
适用传感器灵敏度 Explanation & Application scenarios	负载阻抗大于 200 KΩ Load Impedance > 200 kΩ	非线性 Non-linearity	优于 0.01%FS Better than 0.01% F.S.
最高灵敏度 Maximum sensitivity	Max 500Ω	使用温度为 The service temperature is	-30°C～ 60°C，湿度为 10% RH ～ 85% RH，无冷凝。 -30° C ~ 60° C, Humidity 10% ~ 85% RH, Non-condensing
存贮温度为 The storage temperature is	-20°C～ 60°C，小于 85% RH，无冷凝 -20° C ~ 60° C, < 85% RH, Non-condensing	存贮温度为 The storage temperature is	-40°C～ 85°C，湿度为 10% RH ～ 85% RH，无冷凝。 -40° C ~ 85° C, Humidity 10% ~ 85% RH, Non-condensing
重量变送器的电源电压范围	直流 9 ～ 28V，最大功耗 5 瓦。 (建议重量变送器不与易产生电源噪声的设备如电机、继电器或加热器等共用一个电源) DC 9-28V, Max Power Consumption 5W. (It is recommended that the weight transmitter does not share a power supply with devices prone to generating electrical noise, such as motors, relays, or heaters.)		



PRODUCT INTRODUCTION

※特点：

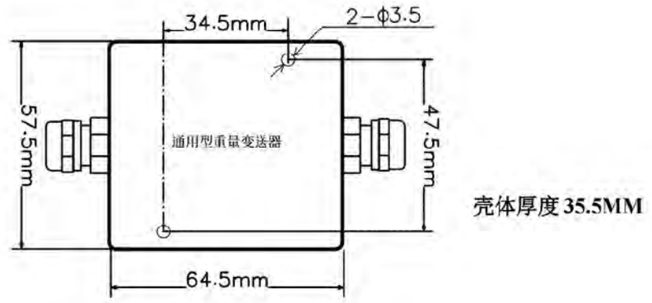
1、采用密封式外壳，防护等级为IP67，工作温度范围-30℃～60℃，可应用于各种工业环境。
2、信号输出类型可选择：4～20mA（或0～20mA）、0～5V(或0～10V)

※FEATURES:

1. It adopts a sealed enclosure with an IP67 protection rating and an operating temperature range of -30℃～60℃, making it applicable to various industrial environments.
2. Selectable signal output types: 4～20mA (or 0～20mA), 0～5V (or 0～10V)

TECHNICAL PARAMETER

技术参数 Technical parameter			
线性精度 Linear accuracy	0.05%FS	传感器激励电压 Sensor Excitation Voltage	直流 12V，可驱动 1-4 只模拟式传感器（输出电阻≥ 350）DC 12V, capable of driving 1–4 analog sensors (Output Resistance ≥ 350Ω)
综合精度 Combined accuracy	0.2%FS	放大倍率 Magnification	电压 90 ～ 900 倍 Voltage 90~900 times
输出范围 Output Range	0 ～ 5V、0 ～ 10V 或 0 ～ 20mA、4 ～ 20mA 0~5V, 0~10V, 0~20mA, or 4~20mA	电流输出 Current output	最大负载电阻 500 欧姆 Maximum Load Resistance 500Ω
工作温度范围 The operating temperature range	-10°C～ 50°C	电压输出 Voltage output	最小负载电阻 10,000 欧姆 Minimum Load Resistance 10,000Ω
调零范围 Zero adjustment range	±50%FS	使用温度为 The service temperature is	-30°C～ 60°C，湿度为 10% RH ～ 85% RH，无冷凝 -30° C ~ 60° C, Humidity 10% ~ 85% RH, Non-condensing
适用传感器灵敏度 The applicable sensor sensitivity	1.0 ～ 3.0mV/V	存贮温度为 The storage temperature is	-40°C～ 85°C，湿度为 10% RH ～ 85% RH，无冷凝 -40° C ~ 85° C, Humidity 10% ~ 85% RH, Non-condensing
重量变送器的电源电压范围	直流 18-24V，最大功耗 1.5 瓦。 重量变送器不可与易产生电源噪声的设备如电机、继电器或加热器等共用一个电源。 DC 18–24V, Max Power Consumption 1.5W. The weight transmitter must not share a power supply with devices prone to generating electrical noise, such as motors, relays, or heaters.		



PRODUCT INTRODUCTION

※特点：

1、采用ABS塑料密封防水外壳。
2、信号输出类型可选择：4～20mA(或0～20mA)、0～5V(或0～10V)
3、使用高精度进口电位器调整输出

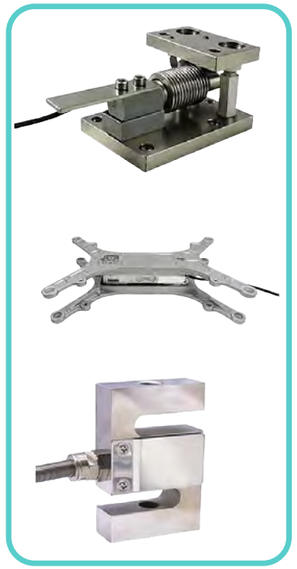
※ Features:

1. Adopts an ABS plastic sealed waterproof enclosure.
2. Selectable signal output types: 4～20mA (or 0～20mA), 0～5V (or 0～10V)
3. Uses a high-precision imported potentiometer to adjust the output

TECHNICAL PARAMETER

技术参数 Technical parameter			
线性精度 Linear accuracy	0.05%FS	放大倍率 Magnification	电压 90 ～ 900 倍 Voltage 90~900 times
综合精度 Combined accuracy	0.2%FS	电流输出 Current output	最大负载电阻 500 欧姆 Maximum Load Resistance 500Ω
输出范围 Output Range	0 ～ 5V、0 ～ 10V 或 4 ～ 20mA、0 ～ 20mA 0~5V, 0~10V, 0~20mA, or 4~20mA	电压输出 Voltage output	0.06 uV/°C
工作温度范围 The operating temperature range	-10°C～ 50°C	使用温度为 The service temperature is	-30°C～ 60°C，湿度为 10% RH ～ 85% RH，无冷凝 -30° C ~ 60° C, Humidity 10% ~ 85% RH, Non-condensing
调零范围 Zero adjustment range	500mA/24VDC	存贮温度为 The storage temperature is	-40°C～ 85°C，湿度为 10% RH ～ 85% RH，无冷凝 -40° C ~ 85° C, Humidity 10% ~ 85% RH, Non-condensing
模拟输出零点漂移 The applicable sensor sensitivity	1.0 ～ 3.0mV/V	传感器激励电压 Sensor excitation voltage	直流 12V，可驱动 1 只模拟式传感器（输出电阻≥ 350）DC 12V, capable of driving 1 analog sensor (Output Resistance ≥ 350Ω)
重量变送器的电源电压范围 The power supply voltage range of the weight transmitter	直流 18 ～ 24V，最大功耗 1.5 瓦。 重量变送器不可与易产生电源噪声的设备如电机、继电器或加热器等共用一个电源。 DC 18–24V, Max Power Consumption 1.5W. The weight transmitter must not share a power supply with devices prone to generating electrical noise, such as motors, relays, or heaters.		

称重系统组成



称重传感器

称重变送器

上位机控制系统

赠送调试软件

提供部分 PLC 参考例程

三菱

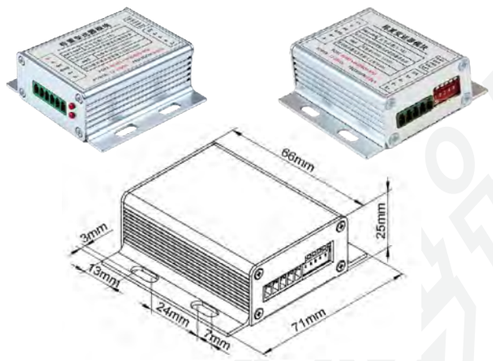
台达

威纶通

西门子

信捷

EMCELLS



PRODUCT INTRODUCTION

※特点：

1、铝合金外壳：坚固耐用，抗干扰能力强，适用于各种工业环境。

2、RS48/RS232接口：支持MODBUS-RTU，灵活适配工业PLC、工控机、安卓设备等，支持多设备组网，可以修改站号。

3、工业级称重精度：采用高精度AD采集芯片及抗干扰滤波技术，确保数据稳定可靠，满足精密称重场景需求（如生产线、实验室）。

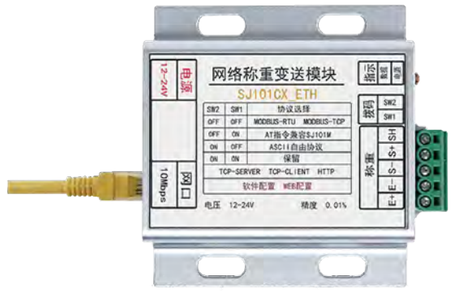
4、广泛兼容性：支持主流工业称重传感器接口，可快速集成至现有系统，扩展性强。

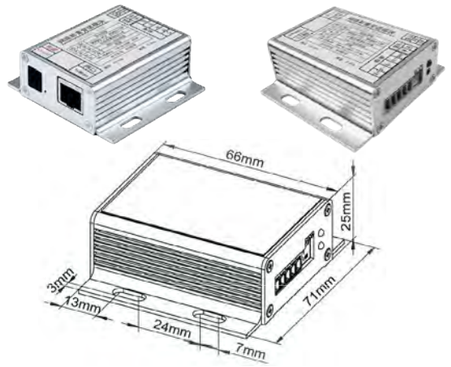
※FEATURES:

1. Aluminum Alloy Housing: Durable construction withexcellent anti-interference performance, suitable for various industrial environments.
2. RS485 or RS232 Interface: Supports Modbus-RTU protocol, compatiblewith industrial PLCs, industrial computers, Android devices, etc. Supportsmulti-device networking with adjustable station IDs for flexible configuration.
3. Industrial-Grade Weighing Precision: Utilizes a high-precision ADsampling chip and anti-interference filtering technology to ensure stable and reliable data, ideal for precision weighing scenarios (e.g.,production lines, laboratories).4, can support the connection of bar code, bill thermal
4. Broad Compatibility: Supports mainstream industrial load cell interfaces, enabling seamless integration into existing systems with high scalability.

TECHNICAL PARAMETER

技术参数 Technical parameter			
型号 Model	SJ101CX-RS485/RS232	精度 Precision	0.01%F.S.
电源 Power	DC12~24V	功率 Rated Power	⩽ 3W
接口 Interface	RS485/RS232	协议 Agreement	MODBUS-RTU
传感器激励电压 Load cell excitation power	5V	传感器采样频率 Sensor sampling frequency	10Hz/40Hz
传感器接口 Sensor	E+(激励 +)、E-（激励 -)、S+(反馈 +)、S+(反馈 -)、sh(屏蔽） E+ (Excitation +), E- (Excitation -), S+ (Sense +), S- (Sense -), sh (Shield)		





PRODUCT INTRODUCTION

※特点：

1、铝合金外壳：坚固耐用，抗干扰能力强，适用于各种工业环境。

2、MODBUS-TCP协议+网口直连：无缝对接PLC、SCADA等工业系统，实现高速数据传输与远程控制，满足工业4.0智能化需求。

3、高精度称重：高精度AD采集芯片与抗干扰电路设计，确保重量数据稳定、可靠，适用于精密工业场景。

4、广泛兼容性：适配多种工业称重传感器，扩展性强。

※FEATURES:

1. Aluminum Alloy Housing:Durable construction with excellent anti-interference performance, suitable for harsh industrial environments.

2. Modbus-TCP Protocol + Ethernet Port DirectConnection: Seamless integration with PLCs, SCADA systems, and othler industrial networks for high-speed data transmissionand remote control, meeting Industry 4.0 smart manufacturing demands.

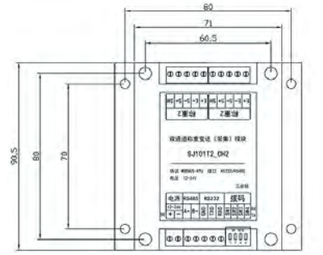
3. High-Precision Weighing: Professional-grade sensors and anti-interference circuit design ensure stable and reliable weight data,ideal for precision industrial applications.

4. Broad Compatibility: Supports integration with various industrial load cells, offering high scalability and adaptability.

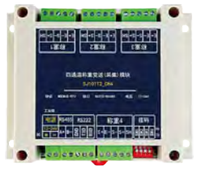
TECHNICAL PARAMETER

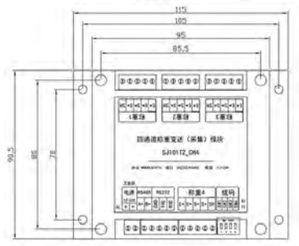
技术参数 Technical parameter			
型号 Model	SJ101CX-ETH	精度 Precision	0.01%F.S.
电源 Power	DC12~24V	功率 Rated Power	⩽ 3W
接口 Interface	RJ45 网口 Port	协议 Agreement	MODBUS-ETH/RTUASCI 码自由协议 MODBUS-ETH / RTU / ASCII Free Protocol
传感器激励电压 Load cell excitation power	5V	传感器采样频率 Sensor sampling frequency	10Hz/40Hz
传感器接口 Sensor	E+(激励 +)、E-（激励 -)、S+(反馈 +)、S+(反馈 -)、sh(屏蔽） E+ (Excitation +), E- (Excitation -), S+ (Sense +), S- (Sense -), sh (Shield)		

2 路采集 2-CHANNEL ACQUISITION

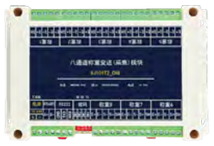


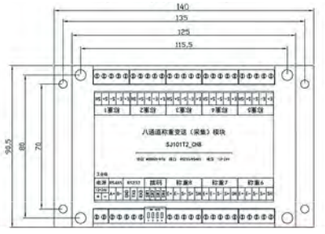
4 路采集 4-CHANNEL ACQUISITION



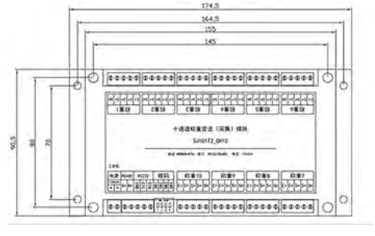


8 路采集 8-CHANNEL ACQUISITION

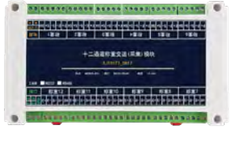


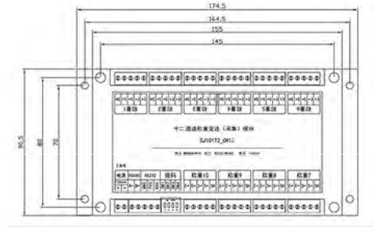


10 路采集 10-CHANNEL ACQUISITION



12 路采集 12-CHANNEL ACQUISITION





PRODUCT INTRODUCTION

※特点:

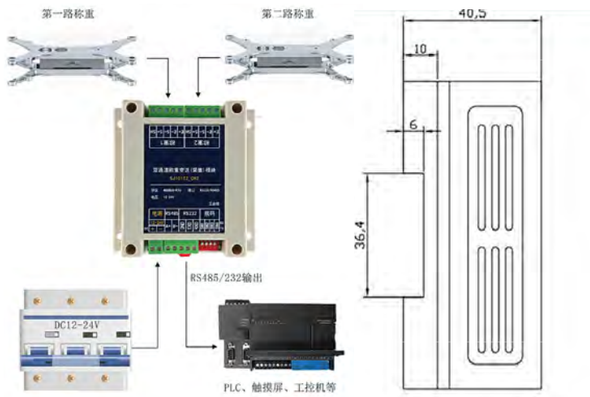
1、多路可选（2/4/8/10/12路）：支持多通道独立采集，满足从简单到复杂的称重需求。

2、独立参数设置：每通道可单独配置量程、单位等，互不干扰，适应混合重量级场景。

3、双接口输出(RS485+RS232)：兼容性强，灵活适配PLC、工控机等设备。MODBUS-RTU协议：单指令读取所有通道重量数据大幅提升通信效率，降低系统响应延迟。

4、多模块组网：支持级联扩展，轻松构建大规模称重网络（如智能仓储、产线全流程监控）。

5、35MM导轨安装：无需复杂固定，快速卡扣至标准导轨，适配各类机柜、控制箱，节省空间。

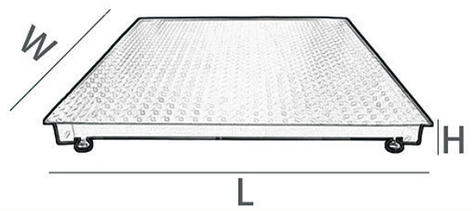


※FEATURES:

1. Multi-Channel Options (2/4/8/10/12 Channels): Supports independent multi-channel acquisition,meeting weighing requirements from simple to complex applications.
2. Independent Parameter Configuration: Each channel can be individually set for range, unit, and other parameters without interference, adapting to mixed-weight scenarios (e.g., light/heavy materials on the same platform).
3. Dual-Interface Output (RS485 + RS232): High compatibility for flexible integration with PLCs, industrial computers, and other devices. MODBUS-RTU Protocol: Read weight data from all channels via a single command, significantly improving communication efficiency and reducing system latency.
4. Multi-Module Networking: Supports daisy-chaining expansion to easily build large-scale weighing networks (e.g., smart warehouses, full-process production line monitoring).
5. 35mm DIN Rail Mounting: Quick snap-on installation to standard rails without complex fixtures, compatible with cabinets and control boxes for space-saving deployment.

TECHNICAL PARAMETER

技术参数 Technical parameter					
型号 Model	SJ101T2_CH2	SJ101T2_CH4	SJ101T2_CH8	SJ101T2_CH10	SJ101T2_CH12
采集路数 Number of collection channels	2	4	8	10	12
接口 Interface	DC12~24V		采样频率 Sampling frequency	10HZ/40HZ	
传感器激励电压 Load cell excitation power	RS485&RS232		协议 agreement	MODBUS-RTU	
传感器接口 Sensor	E+(激励 +)、E-（激励 -)、S+(反馈 +)、S+(反馈 -)、sh(屏蔽） E+ (Excitation +), E- (Excitation -), S+ (Sense +), S- (Sense -), sh (Shield)				



L(m)	0.8	0.8	1	1	1.2	1.2	1.5	1.5	2
W(m)	0.6	0.8	0.8	1	1	1.2	1.2	1.5	1.5
H(m)	0.12~0.15								

PRODUCT INTRODUCTION

※特点：

1、采用高清LCD液晶显示屏，支持kg、lb单位切换。

2、内置可充电电池、实时电量显示。

3、RS485/RS232接口，MODBUS-RTU协议。

4、可选配U盘、打印接口，支持时间序号输出。

5、可选配RJ45网口、WIFI、4G，支持MODBUS-TCP协议。

6、可选配模拟量4-20mA输出、继电器输出、三色灯等。

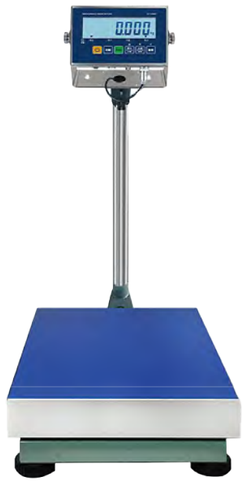
7、可根据需求定制接口、协议等。

※FEATURES:

1. High-Definition LCD Display: Equipped with a clear LCD screen supporting unit switching between kg and lb.
2. Built-in Rechargeable Battery: Integrated with real-time power level indication.
3. RS485/RS232 Interface: Integrated with MODBUS-RTU protocol for industrial communication.
4. Optional Accessories: Expandable with USB port, printer interface, and timestamp/sequence number output functionality.
5. Network Connectivity Options: Optional RJ45 Ethernet port, WiFi, or 4G module, compatible with MODBUS-TCP protocol.
6. Customizable I/O: Optional analog output (4-20mA), relay output, tri-color indicator light, and more.
7.Tailored Solutions: Supports customization of interfaces and protocols to meet specific requirements.

TECHNICAL PARAMETER

技术参数 Technical parameter	
型号 Model	SCS
量程 Capacity	0.5, 1, 2, 3, 5(t)
可读性 Readability	0.1kg-1kg
接口 Interface	RS485、RS232、RJ45(网口 Port)、WIFI、4G、4-20mA。
协议 Agreement	MODBSU-RTU/TCP、ASCII 自由协议 (CustomASCII Protocol)、打印协议 (Printing Protoool) MODBUS-RTU/TCP, ASCII Free Protocol (Custom ASCII Protocol), Printing Protocol



L(cm)	40	50	60
W(cm)	30	40	50
H(cm)	75	75	105

PRODUCT INTRODUCTION

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2、内置可充电电池、实时电量显示。

3、RS485/RS232接口，MODBUS-RTU协议。

4、可选配U盘、打印接口，支持时间序号输出。

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7、可根据需求定制接口、协议等。

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6. Customizable I/O: Optional analog output (4-20mA), relay output, tri-color indicator light, and more.
7. Tailored Solutions: Supports customization of interfaces and protocols to meet specific requirements.

TECHNICAL PARAMETER

技术参数 Technical parameter					
型号 Model	TCS.				
量程 Capacity	60kg	100kg	200kg	300kg	500kg(50*60cm)
可读性 Readability	1g/10g	1g/10g	10g	10g	10g/50g
接口 Interface	RS485、RS232、RJ45(网口 Port)、WIFI、4G、4-20mA。				
协议 Agreement	MODBSU-RTU/TCP、ASCII 自由协议 (CustomASCII Protocol)、打印协议 (Printing Protoool) MODBUS-RTU/TCP, ASCII Free Protocol (Custom ASCII Protocol), Printing Protocol				

EMCELLS

碳钢方管台秤
CARBON STEEL SQUARE TUBE PLATFORM SCALE

300mm×300mm
800mm×1000mm

- 最大称量：5kg~1t；
- 秤体采用碳钢方管型材加工，框架结构，抗偏载能力优；
- 整秤形成密封型腔，表面抛丸喷塑处理，抗锈蚀能力强；
- 面罩可选碳钢喷塑或不锈钢拉丝；
- 仪表可根据称重场合选择：计重仪表、计数仪表、计价仪表；
- Maximum Capacity: 5kg ~ 1t
- Structure: The scale body is constructed from carbon steel square tube profiles with a frame structure, providing excellent off-center load resistance.
- Durability: The entire scale forms a sealed cavity and undergoes a shot blasting and powder coating process for superior corrosion resistance.
- Housing Options: The indicator housing is available in either carbon steel with powder coating or stainless steel with a brushed finish.
- Indicator Options: The indicator can be selected based on the weighing application: Weighing Indicator, Counting Indicator, or Price Computing Indicator.

碳钢圆管台秤
CARBON STEEL ROUND TUBE PLATFORM SCALE

300mm×400mm
600mm×800mm

- 最大称量：5kg~600kg；
- 秤体采用碳钢圆管型材加工，结构简单，成本低廉；
- 面罩可选碳钢喷塑或不锈钢拉丝；
- 仪表可根据称重场合选择：计重仪表，计数仪表、计价仪表
- Maximum Capacity: 5kg ~ 600kg
- Structure: The scale body is constructed from carbon steel round tube profiles, offering a simple structure and low cost.
- Housing Options: The indicator housing is available in either carbon steel with powder coating or stainless steel with a brushed finish.
- Indicator Options: The indicator can be selected based on the weighing application: Weighing Indicator, Counting Indicator, or Price Computing Indicator.

全不锈钢方管台秤
STAINLESS STEEL SQUARE TUBE PLATFORM SCALE

300mm×300mm
800mm×1000mm

- 最大称量：5kg~11；
- 秤体采用碳钢方管型材加工，框架结构，抗偏载能力优；
- 表面处理可选：拉丝、喷砂、抛光等；
- 仪表可根据称重场合选择：计重仪表、计数仪表、计价仪表
- Maximum Capacity: 5kg ~ 1t (Note: "11" in the original text is assumed to be a typo for "1t" or "1 ton")
- Structure: The scale body is constructed from carbon steel square tube profiles with a frame structure, providing excellent off-center load resistance.
- Surface Treatment Options: Brushed, sandblasted, polished, etc.
- Indicator Options: The indicator can be selected based on the weighing application: Weighing Indicator, Counting Indicator, or Price Computing Indicator.

移动台秤
MOBILE PLATFORM SCALE

500mm×700mm
600mm×800mm

- 最大称量：300kg~500kg；
- 采用四个承重轮，后面两个轮子带刹车，确保称重状态的稳定；
- 移动轮采用隐藏式结构，整体安装高度与常规台秤相同；
- 面罩可选碳钢喷塑或不锈钢拉丝；
- 仪表可根据称重场合选择：计重仪表、计数仪表、计价仪表；
- Maximum Capacity: 300kg ~ 500kg
- Mobility: Equipped with four load-bearing wheels; the rear two wheels are equipped with brakes to ensure stability during weighing.
- Design: The mobility wheels feature a hidden structure, ensuring the overall installation height is the same as that of a conventional platform scale.
- Housing Options: The indicator housing is available in either carbon steel with powder coating or stainless steel with a brushed finish.
- Indicator Options: The indicator can be selected based on the weighing application: Weighing Indicator, Counting Indicator, or Price Computing Indicator.

防爆台秤
EXPLOSION-PROOF PLATFORM SCALE

300mm×300mm
800mm×1000mm

- 最大称量：5kg~1t；
- 仪表可选择：本安防爆仪表、复合防爆议表、隔爆仪表；
- 传感器采用优宝特制防爆传感器；
- 秤体采用防静电处理；
- 面罩可选碳钢喷塑或不锈钢拉丝；
- Maximum Capacity: 5kg ~ 1t
- Indicator Options: Intrinsically Safe Explosion-proof Indicator, Composite Explosion-proof Indicator, or Flameproof Indicator.
- Sensor: Utilizes Youbao customized explosion-proof sensors.
- Finish: The scale body features anti-static treatment.
- Housing Options: The indicator housing is available in either carbon steel with powder coating or stainless steel with a brushed finish.

标准型汽车衡
STANDARD TRUCK SCALE

宽度 Width：3m、3.2m、3.4m
长度 Length：6m、7m、8m、9m、10m,12m、14m、16m、18m、20m、21m、24m
最大称量 Max Capacity：10t~150t

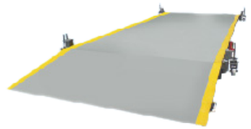
- 称量迅速准确，操作方便，维护简单；
- Fast and accurate weighing, easy operation, and simple maintenance.

混凝土台面汽车衡
CONCRETE DECK TRUCK SCALE

宽度 Width：3m、3.2m、3.4m
长度 Length：6m-24m
最大称量 Max Capacity：150t

- 防雷击、防腐蚀、误差小；
- Lightning-proof, corrosion-resistant, and high precision.

移动式汽车街
MOBILE TRUCK SCALE



最大称量 Max Capacity ⩽ 50t
最大台面长度 Max Platform Length ⩽ 9m

- 无需基础，自带引坡；
- 四轮移动，方便快捷；
- Foundation-free with built-in ramps;
- Four-wheel mobility for convenience and speed.

小型汽车衡
SMALL TRUCK SCALE

宽度 Width: 2m、2.2m、2.5m
长度 Length：4m、4.5m、5m、5.5m、6m、7m
最大称量 Max Capacity：5t~30t

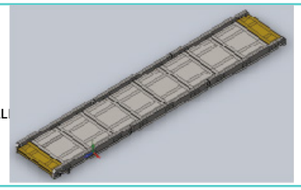
- 秤台尺寸不大，称重量不大，适用于各种农副产品批发市场，物资回收交易，小宗物资交易中；
- Compact platform size and moderate capacity make it ideal for various agricultural and sideline product wholesale markets, waste recycling transactions, and small-scale commodity trading

出口式汽车衡（中间剖分型）
EXPORT TYPE TRUCK SCALE (CENTER SPLIT TYPE)

宽度 Width：3m、3.2m、3.4m
长度 Length：6m-24m
最大称量 Max Capacity：150t

- 中间剖分，螺栓联接；
- 适用集装箱运输，结构合理，安装快捷；
- Center-split design with bolted connections;
- Suitable for container shipping, featuring a rational structure and quick installation.

出口式汽车衡（模块型）
EXPORT TYPE TRUCK SCALE (MODULAR TYPE)



宽度 Width：3m、3.2m、3.4m
长度 Length：6m-24m
最大称量 Max Capacity：150t

- 模块化生产，模块化安装，部件互换；
- 完全适合集装箱出口，运输效率更高；
- Modular production and installation with interchangeable components;
- Fully suitable for container export, offering higher transportation efficiency.

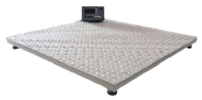
防爆汽车衡
EXPLOSION-PROOF TRUCK SCALE

宽度 Width：3m、3.2m、3.4m
长度 Length：6m-24m
最大称量 Max Capacity：150t

- 性能稳定，功能丰富，适用安全；
- 多用于冶金，化工仓储等易燃易爆场所；
- Stable performance, rich features, and safe operation;
- Ideal for flammable and explosive environments such as metallurgy, chemical, and warehousing industries.

EMCELLS

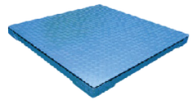
单层无框平台秤
SINGLE-DECK FRAMELESS PLATFORM SCALE



0.8m×0.8m~2m×3m

- 最大称量：500kg~10t；
- 结构简单，支脚方便拆装。既能在运输过程中有效避免传感器过载又方便安装、维修表面喷塑处理，抗锈蚀效果好；
- 可选无基坑和浅基坑两种安装方式，满足所有常规的使用场合可选配引坡；
- Maximum Capacity: 500kg ~ 10t
- Simple Structure: Features easy-to-assemble legs that effectively prevent sensor overload during transport. The surface is powder-coated for superior rust resistance, and installation and maintenance are straightforward.
- Versatile Installation: Available in both pitless and shallow pit installation options to meet all conventional usage requirements. Ramps are available as an optional accessory.

双层无框平台秤
DOUBLE-DECK FRAMELESS PLATFORM SCALE



0.8m×0.8m~2m×3m

- 最大称量：500kg~10t；
- 传感器自复位性能好，精度高；
- 表面喷塑处理，抗锈蚀效果好；
- 可选无基坑和浅基坑两种安装方式，满足所有常规的使用场合；
- 可选配引坡；
- Maximum Capacity: 500kg ~ 10t
- Sensors: Excellent self-restoring performance and high accuracy.
- Finish: Powder-coated surface for superior corrosion resistance.
- Installation: Available in both pitless and shallow pit options to meet all standard usage requirements.
- Accessories: Optional ramps available.

移动式平台秤
MOBILE PLATFORM SCALE

0.8m×0.8m~2m×2m

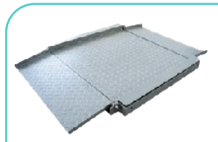
- 最大称量：500kg~3t；
- 采用四个万向移动轮，转向方便，移动轮可通过手柄上下升降，保证称量精度；
- 表面喷塑处理，抗锈蚀效果好；
- 适用于需经常变换称量地点的场合
- Maximum Capacity: 500kg ~ 3t
- Mobility: Equipped with four swivel casters for easy maneuverability. The wheels can be raised and lowered via a handle to ensure weighing accuracy.
- Durability: Features a powder-coated surface for excellent corrosion resistance.
- Application: Ideal for environments requiring frequent changes in weighing location.

全钢结构分体式轴重仪
ALL-STEEL STRUCTURE SPLIT-TYPE AXLE LOAD SCALE

350mm×550mm×80mm(105mm)

- 最大称量：10t~30t；
- 标配把手和滚轮，方便移动，表面喷塑处理，抗锈蚀效果好；
- 引坡一体式，底部有防滑橡胶；
- 信号线接口为五芯航空针，有效避免移动过程中对信号线的损伤；
- Maximum Capacity: 10t ~ 30t
- Mobility & Durability: Standard-equipped with handles and rollers for easy movement. Features a powder-coated surface for superior rust resistance.
- Integrated Design: Features integrated ramps with anti-slip rubber padding on the bottom.
- Secure Connection: Utilizes a 5-pin aviation connector for the signal cable, effectively preventing damage during movement.

超低台面平台秤
ULTRA-LOW PROFILE PLATFORM SCALE



0.8m×0.8m~2m×2m

- 最大称量：500kg~2t；
- 传感器外置结构，台面离地高度⩽ 50mm，抗锈蚀效果好；
- 可选一体式引坡或分体式引坡，方便安装、运输可选引坡可翻转结构，节省场地；
- 适用于轮椅等小型移动工具的称重场合；
- Maximum Capacity: 500kg ~ 2t
- Design: Features an external sensor structure with a platform height of ⩽ 50 mm. Excellent corrosion resistance.
- Ramps: Optional integrated or split ramps for easy installation and transport. Optional reversible ramps are available to save space.
- Application: Suitable for weighing small mobile equipment such as wheelchairs.

钢瓶秤
GAS CYLINDER SCALE

0.8m×1.2m

- 最大称量：0.5t~2t；
- 适用于卧式钢瓶的计重称量，可选减式称重可选防腐、防爆配置；
- 轮架机构为可拆卸式，方便运输；
- Maximum Capacity: 0.5t ~ 2t
- Application: Designed for weighing horizontal cylinders. Optional subtractive weighing mode available. Optional anti-corrosion and explosion-proof configurations are also available.
- Portability: Features a detachable wheel frame mechanism for easy transportation.

牲畜秤
LIVESTOCK SCALE

- 最大称量：0.5t~10t；
- 围栏结构简单，拆装方便，方便运输结构便于冲洗；
- 围栏间隙、高度及开门方式均可根据客户实际使用场合定制；
- Maximum Capacity: 0.5t ~ 10t
- Durable & Hygienic: Features a simple fence structure that is easy to assemble, disassemble, and transport. The open design allows for easy cleaning and washing.
- Customizable: Fence gaps, height, and door opening methods can all be customized to meet the specific requirements of your application.

U 形秤
U-SHAPED SCALE

1.2m×0.84m×0.08m

- 最大称量：0.5t~2t；
- 适用于手动叉车上托盘货物的称重；
- 结构轻巧，用料节省，移动方便，成本低；
- 可选仪表一体式配置；
- Maximum Capacity: 0.5t ~ 2t
- Application: Designed for weighing palletized goods on manual forklifts.
- Features: Lightweight structure, material efficiency, easy mobility, and low cost.
- Options: Optional integrated indicator configuration available.

条形秤
BAR SCALE

- 最大称量：0.5t~2t；
- 适用于钢管等长而轻货物的称重场合，方便叉车进出两条组合使用，可根据货物长度调整秤体间距；
- 轻巧易携带，可放在轿车尾箱；
- 信号线采用五芯航空针插接，即插即用；
- Maximum Capacity: 0.5t ~ 2t
- Application: Designed for weighing long, lightweight cargo such as steel pipes. Features easy access for forklifts. Two units can be used in combination, with the spacing adjustable to accommodate the length of the cargo.
- Portability: Lightweight and compact design; portable enough to fit in a car trunk.
- Connectivity: Signal cable utilizes a 5-pin aviation connector for a plug-and-play setup.

叉车秤
FORKLIFT SCALE

1.15mX0.56m　1.15mX0.69m

- 最大称量：500kg~3t；
- 叉齿宽度 180mm，升降行程 80mm~200mm 可实现在搬运的同时进行称量，精度略差；
- 广泛应用于物流行业；
- 碳钢或不锈钢材质任选；
- 配优宝公司各类防爆仪表与防爆电池、防爆接线盒，采用铜制滚轮，即成为防爆叉车秤；
- Maximum Capacity: 500kg ~ 3t
- Dimensions & Performance: Features fork width of 180mm and a lifting stroke of 80mm~200mm. Enables weighing during transport, though accuracy is slightly reduced.
- Application: Widely used in the logistics industry.
- Material: Optional carbon steel or stainless steel construction.
- Explosion-Proof Option: When equipped with Youbao explosion-proof indicators, batteries, and junction boxes—along with copper rollers—the unit becomes an explosion-proof forklift scale.

手推移动式平台秤
HAND-PUSH MOBILE PLATFORM SCALE

0.6mX0.8m~1.15mX0.69m

- 最大称量：500kg~2t；
- 轮子承受被称载荷重量，最大称量较小；
- 后轮带刹车装置，确保在稳定的状态下进行称重作业；
- 移动方便，适用于需经常改变称重位置的小型货物称重场合；
- Maximum Capacity: 500kg ~ 2t
- Design: The load is borne by the wheels, making it suitable for smaller maximum capacities.
- Safety: Features brakes on the rear wheels to ensure stable weighing operations.
- Application: Easy to move, making it ideal for weighing small goods in locations that require frequent changes.

缓冲秤
BUFFER SCALE

1mX1m~3mX12m

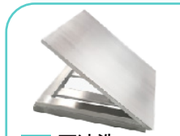
- 最大称量：1t~60t；
- 采用优质螺旋单簧作为减震器，有效降低货物对于秤体和传感器的冲击力，延长寿命；
- 设计上克服了弹簧共振现象对称量稳定时间的影响，显示稳定时间⩽ 5 秒；
- 若用于钢卷称重，可选装 V 型架、聚酰胺板、隔热石棉等配置；
- Maximum Capacity: 1t ~ 60t
- Durability: Utilizes high-quality helical single springs as shock absorbers to effectively reduce the impact force of heavy cargo on the scale body and sensors, thereby extending service life.
- Stability: The design overcomes the influence of spring resonance on stabilization time, ensuring a stable display in ⩽ 5 seconds.
- Customization: For steel coil weighing, optional configurations include V-shaped frames, polyamide plates, and heat-insulating asbestos.

防腐秤
CORROSION-RESISTANT SCALE

400mmX500mm~2mX2m

- 最大称量：50kg~5t；
- 秤体内部采用油封原理，使电子器件与外部腐蚀环境完全隔离；
- 秤体外部采用玻璃钢树脂油漆，耐强酸强碱的腐蚀环境；
- 广泛应用于电镀酸洗、石油化工、污水处理、特种矿业等恶劣环境；
- Maximum Capacity: 50kg ~ 5t
- Internal Protection: Utilizes an oil-sealed internal structure to completely isolate electronic components from external corrosive environments.
- External Finish: Features a fiberglass reinforced plastic (FRP) resin coating that provides superior resistance to strong acids and alkalis.
- Application: Widely used in harsh environments such as electroplating/pickling plants, petrochemical facilities, sewage treatment plants, and specialized mining operations.

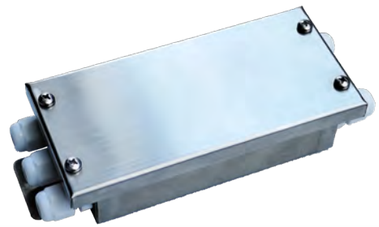
可冲洗不锈钢平台秤
WASHDOWN PLATFORM SCALE

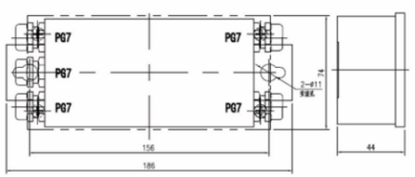


0.8mmX0.8mm~1.5mX2m

- 最大称量：500kg~2t；
- 台面和秤体间加装不锈钢气弹簧，方便将台面掀起冲洗，避免死角；
- 表面处理可选：拉丝、喷砂、食品级抛光等；广泛应用于食品行业；
- Maximum Capacity: 500kg ~ 2t
- Easy Cleaning: Stainless steel gas springs are installed between the platform and the base, allowing the platform to be easily lifted for thorough cleaning and eliminating hard-to-reach areas.
- Versatile Finish: Optional surface treatments include wire drawing, sandblasting, and food-grade polishing. Widely used in the food industry.

PRODUCT INTRODUCTION





※特点：

1、BMC-4采用军工级电位器及精密电阻,高精度、低温漂，调电压；外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有4个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

2、采用专用密封接头；

3、补偿调节采用高稳定性的多圈电位器；

4、盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业环境；

5、每一个接线位有独立的可调电位器，通过调整精密电位器的阻值，补偿和修正四角偏差；

6、用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。

※FEATURES:

1. The BMC-4 adopts military-grade potentiometers and precision resistors, featuring high precision, low temperature drift, and voltage adjustment functionality. Its housing is made of 304 stainless steel, which provides enhanced EMC (Electromagnetic Compatibility) protection and strong anti-interference capability. Inside the case, there are 4 four-wire sensor access terminals with shielded wires and one six-wire output terminal. The signal of the output terminal is the integrated signal output of all connected sensors.
2. Adopts dedicated sealed connectors.
3. High-stability multi-turn potentiometers are used for compensation adjustment.
4. The cover plate is equipped with a waterproof rubber gasket, ensuring waterproof and dustproof performance, making it suitable for industrial environments with harsh conditions.
5. Each wiring position is equipped with an independent adjustable potentiometer. By adjusting the resistance value of the precision potentiometer, the four-corner deviation can be compensated and corrected.
6. It is used in various industrial weighing applications, including devices such as platform scales, tank scales, silo scales, and conveyor scales, and is widely applied in industries like aquaculture, mixing plants, infrastructure construction, and chemical engineering.

SCHEMATIC

※使用说明：

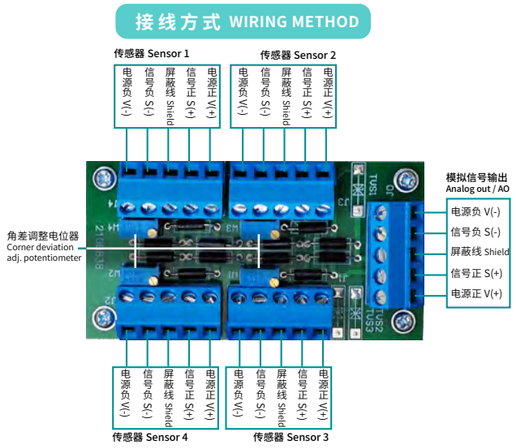
本接线盒适用于模拟传感器的连接，各接线端子标示如下:

EX+:传感器的供桥电源正端　　SIG-:传感器的输出信号负端

EX-:传感器的供桥电源负端　　SHLD:屏蔽电缆的屏蔽层

SIG+:传感器的输出信号正端

(使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX-。) 接线盒调整方法: 电位器R1-R4可分别微调各路传感器的输出信号，用于系统四角调整。顺时针增加，逆时针减少重量。



※User Manual

This junction box is suitable for connecting analog sensors. The labels of each terminal are as follows:

EX+: Positive terminal of the sensor’s bridge power supply

EX-: Negative terminal of the sensor’s bridge power supply

SIG+: Positive terminal of the sensor’s output signal

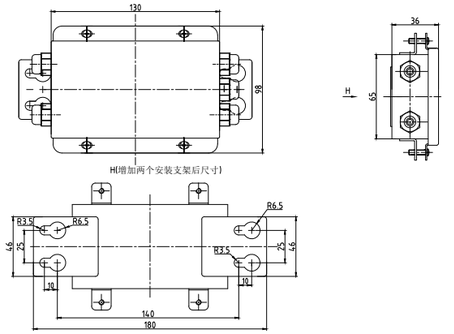
SIG-: Negative terminal of the sensor’s output signal

SHLD: Shield layer of the shielded cable

(When using a six-wire sensor, short-circuit the positive power supply terminal with the positive sense terminal to EX+; short- circuit the negative power supply terminal with the negative sense terminal to EX-.) Potentiometers R1 to R4 can fine-tune the output signal of each sensor separately for the system's four-corner calibration. Clockwise rotation increases the weight reading, while counterclockwise rotation decreases it.

TECHNICAL PARAMETER

技术参数 Technical parameter						
传感器连接个数 Number of Sensor Connections	输入导线 Input wire	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class	调节范围 Adjustment range
2~4 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	激励电压调节 Excitation Voltage Adjustment	304 不锈钢 Stainless Steel	IP65	80 个分度值 80 divisions



PRODUCT INTRODUCTION

※特点：

1、 BMB-4F采用军工级电位器及精密电阻,高精度、低温漂,调信号；外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有4个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

2、采用专用密封接头补偿调节采用高稳定性的多圈电位器：盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业环境：每一个接线位有独立的可调电位器，通过调整精密电位器的阻值，补偿和修正四角偏差：用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。

※FEATURES:

1. The BMB-4F adopts military-grade potentiometers and precision resistors, featuring high accuracy, low temperature drift and precise signal adjustment. Its enclosure is made of 304 stainless steel, delivering enhanced EMC protection and strong anti-interference capability. Inside the enclosure, there are 4 sensor access terminals with 4-wire shielded cables and 1 6-wire output terminal. The signal of the output terminal is the integrated signal output of all connected sensors.
2. Special sealed connectors are adopted, and a high-stability multi-turn potentiometer is used for compensation and adjustment. The cover plate is fitted with a waterproof rubber gasket, providing excellent water and dust resistance and making it suitable for harsh industrial environments. Each wiring position is equipped with an independent adjustable potentiometer; the four-corner deviation can be compensated and corrected by adjusting the resistance value of the precision potentiometer. It is applicable to various industrial weighing applications including truck scales, tank scales, silo scales and conveyor scales, and is widely used in breeding,mixing plants, infrastructure, chemical industry and other sectors.

SCHEMATIC

※使用说明：

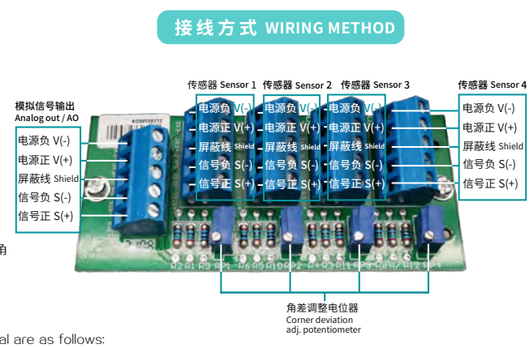
本接线盒适用于模拟传感器的连接，各接线端子标示如下:

EX+:传感器的供桥电源正端　　SIG-:传感器的输出信号负端

EX-:传感器的供桥电源负端　　SHLD:屏蔽电缆的屏蔽层

SIG+:传感器的输出信号正端

(使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX-。) 接线盒调整方法: 电位器R1-R4可分别微调各路传感器的输出信号，用于系统四角调整。顺时针增加，逆时针减少重量。



※User Manual

This junction box is suitable for connecting analog sensors. The labels of each terminal are as follows:

EX+: Positive terminal of the sensor’s bridge power supply.　　EX-: Negative terminal of the sensor’s bridge power supply.

SIG+: Positive terminal of the sensor’s output signal.　　SIG-: Negative terminal of the sensor’s output signal.　　SHLD: Shield layer of the shielded cable.

(When using a six-wire sensor, short-circuit the positive power supply terminal with the positive sense terminal to EX+; short- circuit the negative power supply terminal with the negative sense terminal to EX-.) Potentiometers R1 to R4 can fine-tune the output signal of each sensor separately for the system's four-corner calibration. Clockwise rotation increases the weight reading, while counterclockwise rotation decreases it.

TECHNICAL PARAMETER

技术参数 Technical parameter						
传感器连接个数 Number of Sensor Connections	输入导线 Input wire	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class	调节范围 Adjustment range
2~4 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65	5 个分度值 5 divisions

PRODUCT INTRODUCTION

※特点：

1、BMB-4采用军工级电位器及精密电阻,高精度、低温漂,调信号；外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有4个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

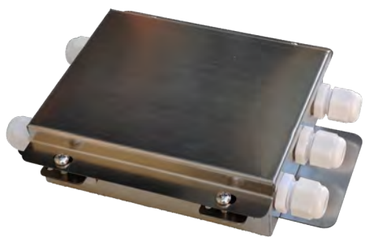
2、采用专用密封接头；

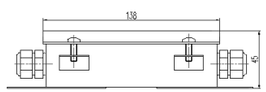
3、补偿调节采用高稳定性的多圈电位器；

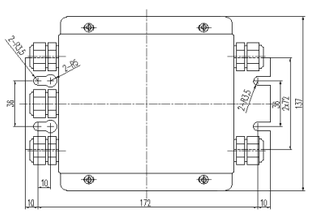
4、盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业环境；

5、每一个接线位有独立的可调电位器，通过调整精密电位器的阻值，补偿和修正四角偏差；

6、用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。







※FEATURES:

1. The BMC-4 adopts military-grade potentiometers and precision resistors, featuring high precision, low temperature drift, and voltage adjustment functionality. Its housing is made of 304 stainless steel, which provides enhanced EMC (Electromagnetic Compatibility) protection and strong anti-interference capability. Inside the case, there are 4 four-wire sensor access terminals with shielded wires and one six-wire output terminal. The signal of the output terminal is the integrated signal output of all connected sensors.
2. Adopts dedicated sealed connectors.
3. High-stability multi-turn potentiometers are used for compensation adjustment.
4. The cover plate is equipped with a waterproof rubber gasket, ensuring waterproof and dustproof performance, making it suitable for industrial environments with harsh conditions.
5. Each wiring position is equipped with an independent adjustable potentiometer. By adjusting the resistance value of the precision potentiometer, the four-corner deviation can be compensated and corrected.
6. It is used in various industrial weighing applications, including devices such as platform scales, tank scales, silo scales, and conveyor scales, and is widely applied in industries like aquaculture, mixing plants, infrastructure construction, and chemical engineering.

SCHEMATIC

※使用说明：

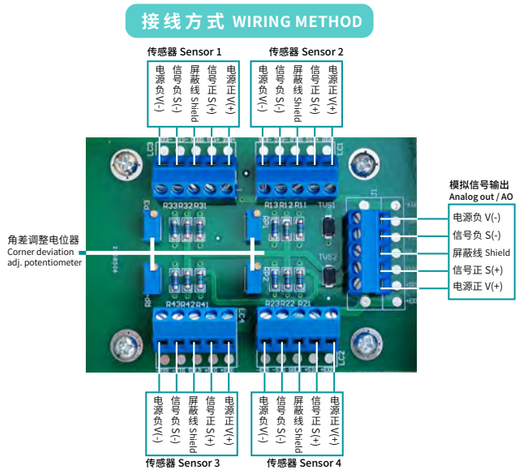
本接线盒适用于模拟传感器的连接，各接线端子标示如下:

EX+:传感器的供桥电源正端　　SIG-:传感器的输出信号负端

EX-:传感器的供桥电源负端　　SHLD:屏蔽电缆的屏蔽层

SIG+:传感器的输出信号正端

(使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX-。) 接线盒调整方法: 电位器R1-R4可分别微调各路传感器的输出信号，用于系统四角调整。顺时针增加，逆时针减少重量。



※User Manual

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SHLD: Shield layer of the shielded cable

(When using a six-wire sensor, short-circuit the positive power supply terminal with the positive sense terminal to EX+; short- circuit the negative power supply terminal with the negative sense terminal to EX-.)Potentiometers R1 to R4 can fine-tune the output signal of each sensor separately for the system's four-corner calibration. Clockwise rotation increases the weight reading, while counterclockwise rotation decreases it.

TECHNICAL PARAMETER

技术参数 Technical parameter						
传感器连接个数 Number of Sensor Connections	输入导线 Input wire.	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class	调节范围 Adjustment range
2~4 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65	5 个分度值 5 divisions

PRODUCT INTRODUCTION

※特点：

1、 BMB-4采用军工级电位器及精密电阻,高精度、低温漂,调信号；外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有4个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

2、采用专用密封接头；

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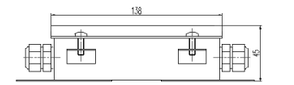
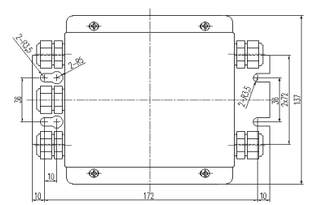
4、盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业环境；

5、每一个接线位有独立的可调电位器，通过调整精密电位器的阻值，补偿和修正四角偏差；

6、用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。





※FEATURES:

1. The BMC-4 adopts military-grade potentiometers and precision resistors, featuring high precision, low temperature drift, and voltage adjustment functionality. Its housing is made of 304 stainless steel, which provides enhanced EMC (Electromagnetic Compatibility) protection and strong anti-interference capability. Inside the case, there are 4 four-wire sensor access terminals with shielded wires and one six-wire output terminal. The signal of the output terminal is the integrated signal output of all connected sensors.
2. Adopts dedicated sealed connectors.
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6. It is used in various industrial weighing applications, including devices such as platform scales, tank scales, silo scales, and conveyor scales, and is widely applied in industries like aquaculture, mixing plants, infrastructure construction, and chemical engineering.

SCHEMATIC

※使用说明：

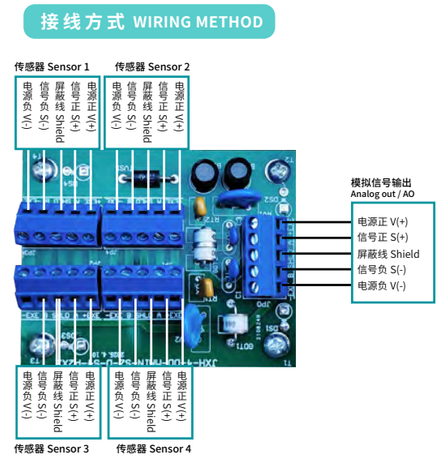
本接线盒适用于模拟传感器的连接，各接线端子标示如下:

EXE+: 12V+，传感器电源正端　　A:传感器信号A端

EXE-:12V-,传感器电源负端　　SHLD:屏蔽电缆的屏蔽层

B:传感器信号B端

(使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX-。)



※User Manual

This junction box is suitable for connecting analog sensors. The labels of each terminal are as follows:

EXE+: 12V+, Positive terminal of the sensor power supply

A: Signal terminal A of the sensor

EXE-: 12V-, Negative terminal of the sensor power supply

SHLD: Shielding layer of the shielded cable

B: Signal terminal B of the sensor

(When using a 6-wire sensor, it is necessary to short-circuit the positive power supply and positive induction to EX+; short-circuit the negative power supply and negative induction to EX-.)

TECHNICAL PARAMETER

技术参数 Technical parameter					
传感器连接个数 Number of Sensor Connections	输入导线 Input wire.	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class
2~4 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65

PRODUCT INTRODUCTION

※特点：

1、 BMB-6采用军工级电位器及精密电阻,高精度、低温漂,调信号；外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有6个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

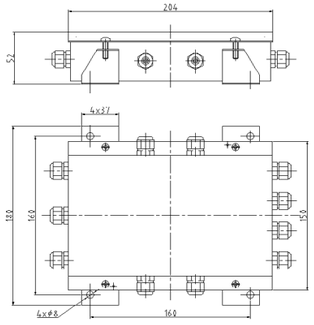
2、采用专用密封接头

3、补偿调节采用高稳定性的多圈电位器

4、盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业环境

5、每一个接线位有独立的可调电位器，通过调整精密电位器的阻值，补偿和修正四角偏差

6、用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。



※FEATURES:

1. BMB-6 adopts military-grade potentiometers and precision resistors, featuring high precision, low temperature drift, and signal adjustment capability. Its housing is made of 304 stainless steel, offering enhanced EMC (Electromagnetic Compatibility) protection and strong anti-interference performance. Inside the enclosure, there are 6 four-wire sensor input terminals with shielded wires and 1 six-wire output terminal. The output signal is the integrated signal of all connected sensors.
2. Equipped with dedicated sealed connectors.
3. High-stability multi-turn potentiometers for compensation adjustment.
4. The cover plate is fitted with a waterproof rubber gasket, ensuring waterproof and dustproof performance, suitable for harsh industrial environments.
5. Each wiring position is equipped with an independent adjustable potentiometer. By adjusting the resistance value of the precision potentiometer, four-corner deviation can be compensated and corrected.
6. It is used in various industrial weighing applications, including truck scales, tank scales, silos, conveyor scales and other devices, and is widely applied in industries such as aquaculture, mixing plants, infrastructure construction, and chemical engineering.

SCHEMATIC

※使用说明：

本接线盒适用于模拟传感器的连接，各接线端子标示如下:

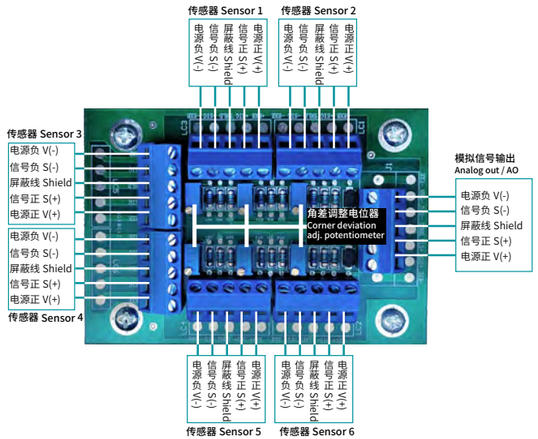
EX+:传感器的供桥电源正端　　SIG-:传感器的输出信号负端

EX-:传感器的供桥电源负端　　SHLD:屏蔽电缆的屏蔽层

SIG+:传感器的输出信号正端

(使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX-。)接线盒调整方法: 电位器R1-R6可分别微调各路传感器的输出信号，用于系统四角调整。顺时针增加，逆时针减少重量。

接线方式 WIRING METHOD



※User Manual

This junction box is suitable for connecting analog sensors. The labels of each terminal are as follows:

EX+: Positive terminal of the sensor’s bridge power supply

EX-: Negative terminal of the sensor’s bridge power supply

SIG+: Positive terminal of the sensor’s output signal

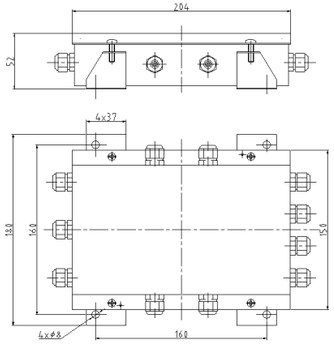
SIG-: Negative terminal of the sensor’s output signal

SHLD: Shield layer of the shielded cable

(When using a six-wire sensor, short-circuit the positive power supply terminal with the positive sense terminal to EX+; short- circuit the negative power supply terminal with the negative sense terminal to EX-.)Junction Box Adjustment Method: Potentiometers R1 to R6 can fine-tune the output signal of each sensor channel separately for the system's four-corner calibration. A clockwise rotation increases the weight reading, while a counterclockwise rotation decreases it.

TECHNICAL PARAMETER

技术参数 Technical parameter						
传感器连接个数 Number of Sensor Connections	输入导线 Input wire.	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class	调节范围 Adjustment range
2~6 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65	5 个分度值 5 divisions



PRODUCT INTRODUCTION

※特点：

1、 BMB-6采用军工级电位器及精密电阻,高精度、低温漂,调信号；外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有6个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

2、采用专用密封接头

3、盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业环境

4、用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。

※FEATURES:

1. BMB-6 adopts military-grade potentiometers and precision resistors, featuring high precision, low temperature drift, and signal adjustment capability. Its housing is made of 304 stainless steel, offering enhanced EMC (Electromagnetic Compatibility) protection and strong anti-interference performance. Inside the enclosure, there are 6 four-wire sensor input terminals with shielded wires and 1 six-wire output terminal. The output signal is the integrated signal of all connected sensors.
2. Equipped with dedicated sealed connectors.
3. The cover plate is fitted with a waterproof rubber gasket, ensuring waterproof and dustproof performance, suitable for harsh industrial environments.
4. It is used in various industrial weighing applications, including truck scales, tank scales, silos, conveyor scales and other devices, and is widely applied in industries such as aquaculture, mixing plants, infrastructure construction, and chemical engineering.

SCHEMATIC

※使用说明：

本接线盒适用于数字传感器的连接，各接线端子标示如下:

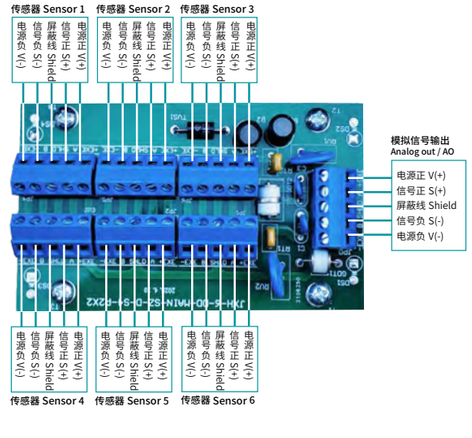
EXE+: 12V+，传感器电源正端　　A:传感器信号A端

EXE-:12V-,传感器电源负端　　SHLD:屏蔽电缆的屏蔽层

B:传感器信号B端

(使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX-。)

接线方式 WIRING METHOD



※User Manual

This junction box is suitable for the connection of digital sensors:

The marking of each terminal is as follows:

EXE+: 12V+, Positive terminal of the sensor power supply

A: Signal terminal A of the sensor

EXE-: 12V-, Negative terminal of the sensor power supply

SHLD: Shielding layer of the shielded cable

B: Signal terminal B of the sensor

(When using a 6-wire sensor, short-circuit the positive power supply terminal to the positive sensing terminal and connect them to EXE+; short-circuit the negative power supply terminal to the negative sensing terminal and connect them to EXE-.)

TECHNICAL PARAMETER

技术参数 Technical parameter					
传感器连接个数 Number of Sensor Connections	输入导线 Input wire.	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class
2~6 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65

PRODUCT INTRODUCTION

※特点：

1、BMB-8采用军工级电位器及精密电阻,高精度、低温漂,调信号；外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有8个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

2、采用专用密封接头

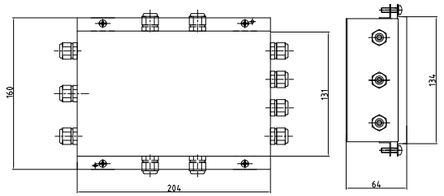
3、补偿调节采用高稳定性的多圈电位器

4、盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业 环境

5、每一个接线位有独立的可调电位器，通过调整精密电位器的阻值，补偿和修正四角偏差

6、用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。

※FEATURES:



1. BMB-8 adopts military-grade potentiometers and precision resistors, featuring high accuracy, low temperature drift, and adjustable signals. The housing is made of 304 stainless steel, delivering superior EMC (Electromagnetic Compatibility) protection and strong anti-interference capability.Inside the box,
there are 8 four-wire sensor input terminals with shielded wires and 1 six-wire output terminal.The signal from the output terminal is the integrated signal of all connected sensors.
2. Equipped with dedicated sealed connectors
3. Compensation adjustment uses high-stability multi-turn potentiometers
4. The cover plate is fitted with a waterproof rubber gasket, providing water and dust resistance, suitable for harsh industrial environments
5. Each wiring position is equipped with an independent adjustable potentiometer; by adjusting the resistance of the precision potentiometer, the four-corner deviation can be compensated and corrected
6. Suitable for various industrial weighing applications, including truck scales, tank scales, silo scales, and conveyor scales, widely used in breeding, mixing stations, infrastructure, chemical industry and other sectors.

SCHEMATIC

※使用说明：

本接线盒适用于模拟传感器的连接，各接线端子标示如下:

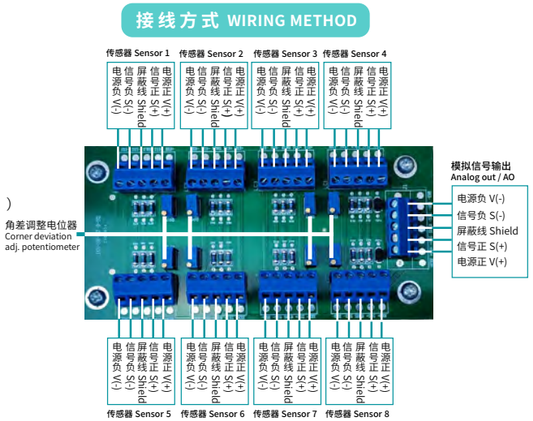
EX+:传感器的供桥电源正端　　SIG-:传感器的输出信号负端

EX-:传感器的供桥电源负端　　SHLD:屏蔽电缆的屏蔽层

SIG+:传感器的输出信号正端

（使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX-。）

接线盒调整方法；电位器R1-R8可分别微调各路传感器的输出信号，用于系统四角调整。顺时针增加，逆时针减少重量。



※User Manual

This junction box is suitable for the connection of analog sensors;The marking of each terminal is as follows:

EX+: Positive terminal of the bridge power supply for the sensor

SIG-: Negative terminal of the output signal of the sensor

EX-: Negative terminal of the bridge power supply for the sensor

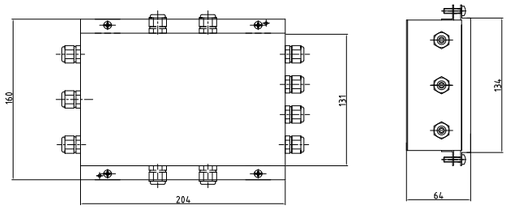
SHLD: Shielding layer of the shielded cable

SIG+: Positive terminal of the output signal of the sensor

(When using a 6-wire sensor, short-circuit the positive power supply terminal to the positive sensing terminal and connect them to EX+; short-circuit the negative power supply terminal to the negative sensing terminal and connect them to EX-.); Junction Box Adjustment Method:Potentiometers R1-R8 can individually fine-tune the output signals of each sensor, which is used for system four-corner adjustment. Turning clockwise increases the weight reading, while turning counterclockwise decreases it.

TECHNICAL PARAMETER

技术参数 Technical parameter						
传感器连接个数 Number of Sensor Connections	输入导线 Input wire.	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class	调节范围 Adjustment range
2~8 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65	5 个分度值 5 divisions



PRODUCT INTRODUCTION

※特点：

1、BSB-8D采用军工级精密电阻,高精度、低温漂,数字信号；外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有8个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

2、采用专用密封接头

3、盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业 环境

4、用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。

※FEATURES:

1. The BSB-8D adopts military-grade precision resistors, featuring high accuracy, low temperature drift, and digital signals.Its housing is made of 304 stainless steel, providing enhanced EMC (Electromagnetic Compatibility) protection and strong anti-interference capability.Inside the box, there are 8 four-wire sensor input terminals with shielded wires and one six-wire output terminal. The signal from the output terminal is the integrated signal of all connected sensors.
2. Equipped with dedicated sealed connectors
3. The cover plate is fitted with a waterproof rubber gasket, offering water and dust resistance, and is suitable for harsh industrial environments.
4. It is used in various industrial weighing applications, including equipment such as truck scales, tank scales, silo scales, and conveyor scales, and is widely applied in industries like aquaculture/animal husbandry, mixing plants, infrastructure construction, and the chemical industry.

SCHEMATIC

※使用说明：

本接线盒适用于数字传感器的连接: 各接线端子标示如下:

EXE+: 12V+，传感器电源正端

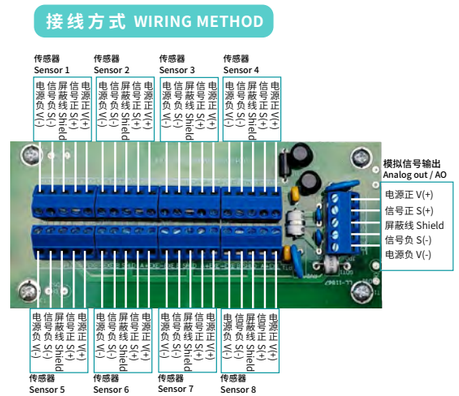
A:传感器信号A端

EXE-:12V-,传感器电源负端

SHLD:屏蔽电缆的屏蔽层

B:传感器信号B端

（使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX-。）



※User Manual

This junction box is suitable for connecting digital sensors; The markings of each terminal are as follows:

EXE+: 12V+, Positive terminal of the sensor power supply

A: Signal terminal A of the sensor

EXE-: 12V-, Negative terminal of the sensor power supply

SHLD: Shielding layer of the shielded cable

B: Signal terminal B of the sensor

(When using a 6-wire sensor, short-circuit the positive power supply terminal and the positive sensing terminal, then connect them to EXE+; short-circuit the negative power supply terminal and the negative sensing terminal, then connect them to EXE-.)

TECHNICAL PARAMETER

技术参数 Technical parameter					
传感器连接个数 Number of Sensor Connections	输入导线 Input wire.	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class
2~8 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65

PRODUCT INTRODUCTION

※特点：

1、 BMB-10采用军工级电位器及精密电阻,高精度、低温漂,调信号；外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有10个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

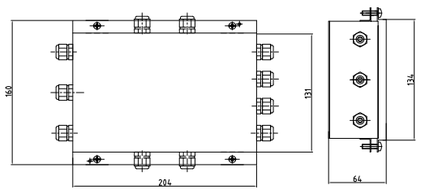
2、采用专用密封接头；

3、补偿调节采用高稳定性的多圈电位器；

4、盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业 环境；

5、每一个接线位有独立的可调电位器，通过调整精密电位器的阻值，补偿和修正四角偏差；

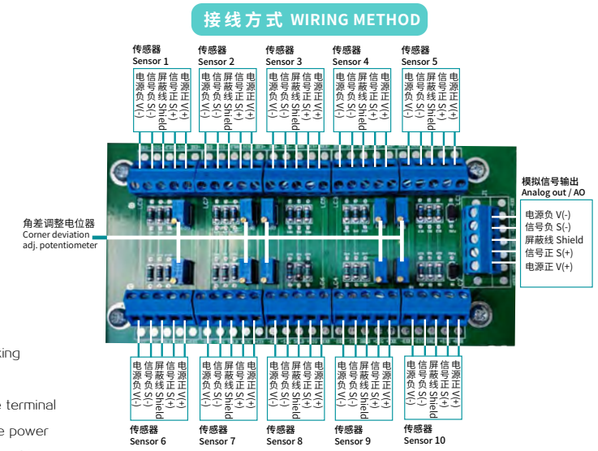
6、用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。



※FEATURES:

1. The BMB-10 utilizes military-grade potentiometers and precision resistors, featuring high accuracy, low temperature drift, and precise signal adjustment. Its enclosure is constructed from 304 stainless steel, providing enhanced EMC protection and strong anti-interference capability. The unit is equipped with 10 four-wire shielded sensor input terminals and one six-wire output terminal. The output signal is the integrated signal from all connected sensors.
2. Equipped with dedicated sealed connectors;
3. High-stability multi-turn potentiometers are used for compensation adjustment;
4. The cover plate is fitted with a waterproof rubber gasket, providing water and dust resistance, and is suitable for harsh industrial environments;
5. Each wiring position is equipped with an independent adjustable potentiometer; by adjusting the resistance of the precision potentiometer, the four-corner deviation can be compensated and corrected;
6. Suitable for various industrial weighing applications, including truck scales, tank scales, silo scales, and conveyor scales, and widely used in industries such as breeding, mixing stations, infrastructure, and chemical engineering.

SCHEMATIC



※使用说明：

本接线盒适用于模拟传感器的连接，各接线端子标示如下:

EX+:传感器的供桥电源正端　　SIG−:传感器的输出信号负端

EX−:传感器的供桥电源负端　　SHLD:屏蔽电缆的屏蔽层

SIG+:传感器的输出信号正端

(使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX−。)接线盒调整方法: 电位器R1-R10可分别微调各路传感器的输出信号，用于系统四角调整。顺时针增加，逆时针减少重量。

※User Manual

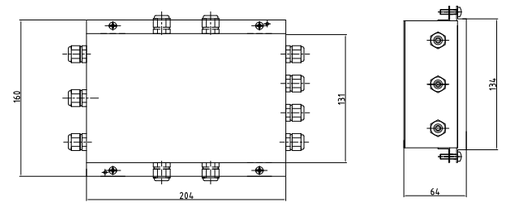
This junction box is suitable for the connection of analog sensors;The marking of each terminal is as follows:

EX+: Positive terminal of the sensor's bridge power supply；SIG−: Negative terminal of the sensor's output signal；EX−: Negative terminal of the sensor's bridge power supply；SHLD: Shielding layer of the shielded cable；SIG+: Positive terminal of the sensor's output signal;

(When using a 6-wire sensor, short-circuit the positive power supply terminal and the positive sensing terminal, then connect them to EX+; short-circuit the negative power supply terminal and the negative sensing terminal, then connect them to EX−.) Junction Box Adjustment Method: Potentiometers R1-R10 can individually fine-tune the output signal of each sensor, which is used for system four-corner adjustment. Turning clockwise increases the weight reading, while turning counterclockwise decreases it.

TECHNICAL PARAMETER

技术参数 Technical parameter						
传感器连接个数 Number of Sensor Connections	输入导线 Input wire.	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class	调节范围 Adjustment range
2~10 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65	5 个分度值 5 divisions



PRODUCT INTRODUCTION

※特点：

1、 BSB-8D采用军工级精密电阻,高精度、低温漂,数字信号； 外壳为304不锈钢，更强的EMC防护性能，抗干扰能力强; 盒内有10个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

2、采用专用密封接头

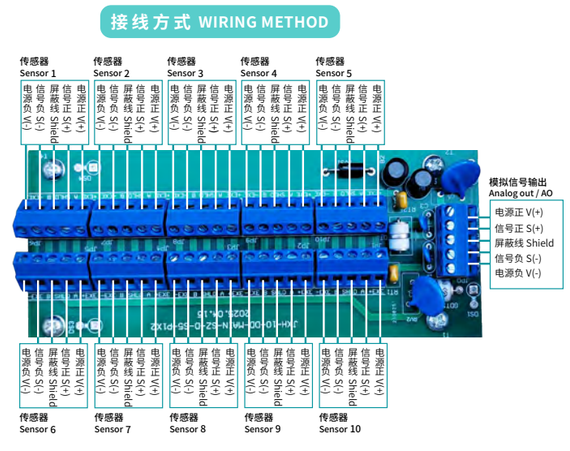
3、盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业 环境

4、用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。

※FEATURES:

1. BSB-8D Technical Specifications (English Version) The BSB-8D adopts military-grade precision resistors, featuring high accuracy, low temperature drift, and digital signals. Its housing is made of 304 stainless steel, providing enhanced EMC (Electromagnetic Compatibility) protection and strong anti-interference capability.Inside the box, there are 10 four-wire sensor input terminals with shielded wires and one six-wire output terminal. The signal from the output terminal is the integrated signal of all connected sensors.
2. Equipped with dedicated sealed connectors.
3. The cover plate is fitted with a waterproof rubber gasket, offering water and dust resistance, and is suitable for harsh industrial environments.
4. It is used in various industrial weighing applications, including equipment such as truck scales, tank scales, silo scales, and conveyor scales. It is also widely applied in industries like breeding, mixing stations, infrastructure, and chemical engineering.

SCHEMATIC



※使用说明：

本接线盒适用于数字传感器的连接；各接线端子标示如下:

EXE+: 12V+，传感器电源正端

A:传感器信号A端

EXE−:12V−,传感器电源负端

SHLD:屏蔽电缆的屏蔽层

B:传感器信号B端

(使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX−。)

※User Manual

This junction box is suitable for connecting digital sensors: The markings of each terminal are as follows:

EXE+: 12V+, Positive terminal of the sensor power supply

A: Signal terminal A of the sensor

EXE−: 12V−, Negative terminal of the sensor power supply

SHLD: Shielding layer of the shielded cable

B: Signal terminal B of the sensor

(When using a 6-wire sensor, short-circuit the positive power supply terminal and the positive sensing terminal, then connect them to EXE+; short-circuit the negative power supply terminal and the negative sensing terminal, then connect them to EXE−.)

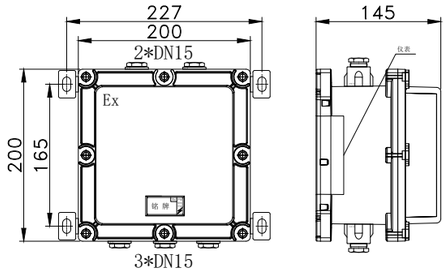
TECHNICAL PARAMETER

技术参数 Technical parameter					
传感器连接个数 Number of Sensor Connections	输入导线 Input wire.	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class
2~10 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65

序号	备注	技术参数表
1	箱体材质	采用优质102L铝合金材质,外部高压静电喷塑;
2	箱体要求	箱体不得有沙眼、蜂窝、划伤，外观光滑，无瑕疵;
3	防爆等级	防爆标志:ExdbⅡ B T6 Gb; ExtbⅢC T80℃ Db;
4	防护等级	防护等级:IP66,防腐等级：WF1;
5	技术规范	线路要规范，整齐，线号按图纸要求，标识要明确;
6	技术要求	接线老牢靠，防止松动，严格按电气规范要求生产;
7	箱体尺寸	外形尺寸:200*200*145mm; 安装孔尺寸：mm;
8	安装方式	挂式安装，下进下出;
9	备注	室内使用;

◇ 请仔细核对 防爆箱进出线口螺纹规格大小——引入装置规格对应表

	通 径	相对应的管螺纹(G")	俗 称	允许电缆最大外径(mm)
1	DN15	G½"	4分	φ7-φ10
2	DN20	G¾"	6分	φ10-φ14
3	DN25	G1"	1寸	φ12-φ18
4	DN32	G1¼"	1.2寸	φ15-φ25
5	DN40	G1½"	1.5寸	φ18-φ30
6	DN50	G2"	2寸	φ25-φ38
7	DN70	G2½"	2.5寸	φ30-φ46
8	DN80	G3"	3寸	φ38-φ56
9	DN100	G4"	4寸	φ61-φ80



PRODUCT INTRODUCTION

※特点：

1、BJX-T4采用军工级电位器及精密电阻,高精度、低温票,调信号；外壳为铸铝，更强的EMC防护性能，抗干扰能力强; 盒内有4个四线制带屏蔽线的传感器接入端，一个六线制的输出端。输出端的信号为所有接入传感器的集成信号输出。

2、防爆标识:Ex ia ⅡC T6 Ga;

3、采用专用密封接头；补偿调节采用高稳定性的多圈电位器；盖板有防水橡胶垫圈，防水，防尘，适用于环境条件恶劣的工业环境；每一个接线位有独立的可调电位器，通过调整精密电位器的阻值，补偿和修正四角偏差；用于各种工业称重应用，包括地磅、料罐秤、料仓及传送带秤等设备，广泛应用于养殖、搅拌站、基建、化工等行业。

※FEATURES:

1. The BJX-T4 adopts military-grade potentiometers and precision resistors, featuring high precision, low temperature drift, and adjustable signals. Its housing is made of cast aluminum, providing stronger EMC (Electromagnetic Compatibility) protection performance and excellent anti-interference capability. Inside the case, there are 4 four-wire sensor access terminals with shielded wires and one six-wire output terminal. The signal of the output terminal is the integrated signal output of all connected sensors.
2. Explosion-proof mark: Ex ia ⅡC T6 Ga
3. Special sealed connectors are adopted; high-stability multi-turn potentiometers are used for compensation and adjustment. The cover plate is fitted with a waterproof rubber gasket, offering water and dust resistance and making it suitable for harsh industrial environments. Each wiring position is equipped with an independent adjustable potentiometer, and the four-corner deviation can be compensated and corrected by adjusting the resistance value of the precision potentiometer. It is applicable to various industrial weighing applications including truck scales, tank scales, silo scales and conveyor scales, and is widely used in breeding, mixing plants, infrastructure, chemical industry and other sectors.

SCHEMATIC

※使用说明：

本接线盒适用于模拟传感器的连接，各接线端子标示如下:

EX+:传感器的供桥电源正端　　SIG-:传感器的输出信号负端

EX-:传感器的供桥电源负端　　SHLD:屏蔽电缆的屏蔽层

SIG+:传感器的输出信号正端

(使用六线制传感器时，需将电源正与感应正短接至EX+;电源负与感应负短接至EX-。）接线盒调整方法:电位器R1-R4可分别微调各路传感器的输出信号，用于系统四角调整。顺时针增加，逆时针减少重量。

※User Manual

This terminal box is suitable for connecting analog sensors. The labels of each terminal are as follows:

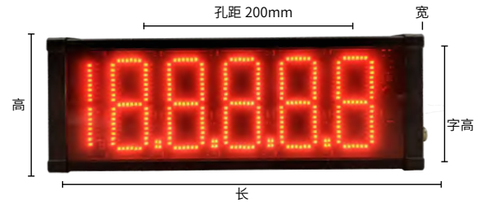
EX+: Positive terminal of the sensor's bridge power supply; EX-: Negative terminal of the sensor's bridge power supply; SIG+: Positive terminal of the sensor's output signal; SIG-: Negative terminal of the sensor's output signal; SHLD: Shielding layer of the shielded cable. (When using a six-wire sensor, it is necessary to short-circuit the positive power supply and positive sense terminal to EX+; short-circuit the negative power supply and negative sense terminal to EX-.) Terminal Box Adjustment Method: Potentiometers R1-R4 can separately fine-tune the output signals of each sensor channel, which is used for the four-corner adjustment of the system. Turning the potentiometer clockwise increases the weight reading, while turning it counterclockwise decreases the weight reading.

TECHNICAL PARAMETER

技术参数 Technical parameter						
传感器连接个数 Number of Sensor Connections	输入导线 Input wire.	输出导线 Output wire	调节方式 Adjustment method	外壳材质 Housing material	防护等级 Protection class	调节范围 Adjustment range
2~10 只	M16:4~8mm 导线直径 Wire diameter	M16:4~8mm 导线直径 Wire diameter	信号电压调节 Signal Voltage Adjustment	304 不锈钢 Stainless Steel	IP65	5 个分度值 5 divisions

PRODUCT INTRODUCTION

※特点：



1、 结构性防风雨设计，独有学习模式，自动匹配主流仪表协议；

2、ABS塑料外壳/铁壳；

3、静态显示无闪烁，摄像头可拍摄；

4、结构性防雨，不需要遮雨遮阳罩；

5、隐藏式挂钩，可选配立杆安装；

6、选配无线，直线距离1000米+；

7、标配超级按键，支持手动调屏参，可手机或计算机调整。

8、KHSX-3最佳观测距离20m内. KHSX-5最佳观测距离30m内.KHSX-6最佳观测距离40m内.KHSX-7最佳观测距离50m内.

※FEATURES:

1. It features a structurally weatherproof design and an exclusive learning mode, enabling automatic matching with protocols of mainstream instruments.
2. ABS plastic enclosure / metal enclosure
3. Static display with no flicker, suitable for capture by cameras.
4. Structurally rainproof, with no need for rain or sun shields.
5. Concealed hook, pole mounting available as an option.
6. Wireless function is optional, with a straight-line distance of over 1000 meters.
7. Equipped with super buttons as standard, it supports manual adjustment of screen parameters, which can be configured via mobile phone or computer.
8. Optimal viewing distance for KHSX-3: within 20 m.Optimal viewing distance for KHSX-5: within 30 m.Optimal viewing distance for KHSX-6: within 40 m.Optimal viewing distance for KHSX-7: within 50 m.

TECHNICAL PARAMETER

※数显屏3，5，6，7

图片规格：3寸数显屏，颜色红/绿

显示尺寸：6位7段，LED灯

可见性：最大75m(14寸），120° 可视角度，最大光强1500mcd.

供电电源：220V

显示极限：999999

工作温度：-20° ~60°

通讯：电流环；RS232；无线通讯，RS485（选配）。

信号线：10m

保修：3年

※Digital Display Screens 3, 5, 6, 7

Specification of Display Screen: 3-inch digital display screen, color: red/green

Display Size: 6-digit 7-segment, LED lights

Visibility: Maximum 75m (for 14-inch model), 120° viewing angle, maximum luminous intensity of 1500mcd

Power Supply: 220V

Display Limit: 999999

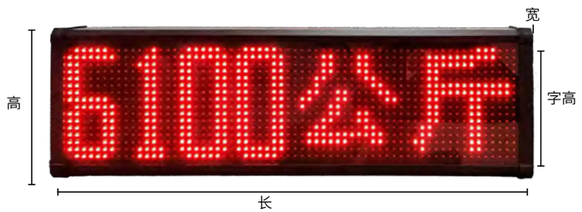
Operating Temperature: -20° C ~ 60° C

Communication: Current loop; RS232; wireless communication, RS485 (optional)

Signal Wire: 10m

Warranty: 3 years

技术参数 Technical parameter							
型号 / 寸 Model / Inch	类型 Type	字高 /mm Character Height / mm	总高 /mm Total Height / mm	总长 /mm Total Length / mm	厚度 /mm Thickness / mm	安装孔距 Mounting Hole Spacing / mm	显示颜色 Display Color
KHSX-3	数显 Digital Display	90	135	358	40	200	红 Red/ 绿 Green
KHSX-5	数显 Digital Display	125	170	540	40	200	红 Red/ 绿 Green
KHSX-6	数显 Digital Display	160	220	685	75	200	红 Red/ 绿 Green
KHSX-7	数显 Digital Display	160	220	680	75	200	红 Red/ 绿 Green



PRODUCT INTRODUCTION

※特点：

1、 结构性防风雨设计，独有学习模式，自动匹配主流仪表协议；
亮度自动调节

2、ABS塑料外壳/铁壳；

3、静态显示无闪烁，高速芯片，每秒刷新6000次；

4、标配蓝牙模块，手机一键编辑发送内容

5、结构性防雨，不需要遮雨遮阳罩；

6、隐藏式挂钩，可选配立杆安装；

7、选配无线，直线距离1000米+；

8、标配超级按键，支持手动调屏参，可手机或计算机调整。

9、KHHX-7最佳观测距离50m内; KHHX-10最佳观测距离60m内; KHHX-14最佳观测距离75m内.

※FEATURES:

1. Structural weatherproof design, unique learning mode, and automatic matching with mainstream instrument protocols;Automatic brightness adjustment
2. ABS plastic housing / iron housing;
3. Flicker-free static display, high-speed chip with a refresh rate of 6000 times per second;
4. Standard-equipped Bluetooth module, enabling one-click editing and sending of content via mobile phone;
5. Structural rainproof performance, no need for rain shelters or sunshades;
6. Concealed hooks, optional pole mounting available;
7. Optional wireless function, with a straight-line distance of over 1000 meters;
8. Standard-equipped super buttons, supporting manual screen parameter adjustment; adjustment can also be made via mobile phone or computer.
9. The optimal viewing distance for KHHX-7 is within 50 meters.; The optimal viewing distance for KHHX-10 is within 60 meters.; The optimal viewing distance for KHHX-14 is within 75 meters.

TECHNICAL PARAMETER

※汉显屏7,10,14寸；

图片规格：7寸汉显屏，颜色红/绿

显示尺寸：640*160，共计1024点，6位7段，LED灯

可见性：最大75m(14寸），120° 可视角度，最大光强1500mcd.

供电电源：开关电源 AC 85～245 V

显示极限：999999

工作温度：-20° ~60°

通讯：电流环；RS232；无线通讯，RS485（选配）。

信号线：10m

保修：3年

※Chinese Character Display Screens (7-inch, 10-inch, 14-inch);

Display Specification: 7-inch Chinese character display, color: red/green

Display Parameters: Resolution 640*160, total 1024 dots, 6-digit 7-segment, LED lights

Visibility: Maximum 75m (for 14-inch model), 120° viewing angle, maximum luminous intensity of 1500mcd

Power Supply: Switching power supply, AC 85~245V

Display Limit: 999999

Operating Temperature: -20° C ~ 60° C

Communication: Current loop; RS232; wireless communication, RS485 (optional)

Signal Wire: 10m

Warranty: 3 years

技术参数 Technical parameter

型号 / 寸 Model / Inch	类型 Type	字高 /mm Character Height / mm	总高 /mm Total Height / mm	总长 /mm Total Length / mm	厚度 /mm Thickness / mm	安装孔距 Mounting Hole Spacing / mm	显示颜色 Display Color
KHHX-7	点阵 Dot Matrix	160	210	680	75	200	红 Red/ 绿 Green
KHHX-10	点阵 Dot Matrix	240	310	1050	95	200	红 Red
KHHX-14	点阵 Dot Matrix	320	400	1360	95	200	红 Red

PRODUCT INTRODUCTION

※特点：

1、 动态扫描锁存技术

2、超高亮度数码块，特制的光学滤波薄膜，视角范围大；

3、显示系统或仪表输出的毛重、净重；

※FEATURES:

1. Dynamic Scanning Latch Technology
2. It adopts ultra-high brightness digital segments and a specialized optical filter film, featuring a wide viewing angle.
3. Displays gross weight and net weight output by the display system or instrument.

TECHNICAL PARAMETER

※显示字符：6位LED字高125mm数码管；

电源：AC 187～242V；49～51Hz；

通讯接口：RS232方式/电流环方式；

使用环境温度：0～40℃；

使用环境湿度：≤85%RH；

特殊产品订货：（订货时须注明选配）

常见选配电源线，通讯协议，特殊功能，商标等

信号线：10m

保修：3年

※Display Characters: 6-digit LED nixie tube with a character height of 125mm;

Power Supply: AC 187～242V; 49～51Hz;

Communication Interface: RS232 / Current Loop;

Operating Ambient Temperature: 0～40℃;

Operating Ambient Humidity: ≤85% RH;

Special Product Orders: (Optional configurations must be specified when placing orders)

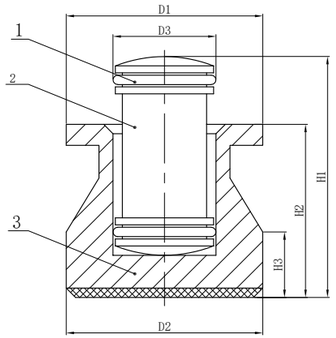
Common optional items include power cables, communication protocols, special functions, trademarks,etc.

Signal Wire: 10m;

Warranty: 3 years.

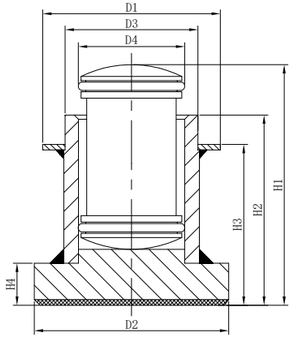
技术参数 Technical parameter

规格 Specifications	长 * 高 * 宽 Length * Height * Width	字高 /mm Character Height / mm	通讯方式 Communication Method	波特率 Baud Rate	外壳 Housing / Case	供电 Power Supply	功率 Power
DPM-1S	254*100*41	254	RS232/ 电流环 Current Loop	600bps	铁壳 Iron Case	变压器 Transformer	10W
DPM-1.2S	305*120*48	300	RS232/ 电流环 Current Loop	600bps	铁壳 Iron Case	变压器 Transformer/24V	10W
DPM-2.3S	380*140*49	584	RS232/ 电流环 Current Loop	600bps	铁壳 Iron Case	变压器 Transformer/24V	10W
DPM-3S	500*160*60	760	RS232/ 电流环 Current Loop	600bps	铁壳 Iron Case	变压器 Transformer	15W
DPM-5S	750*240*63	127	RS232/ 电 流 环 Current Loop	600bps	铁壳 Iron Case	变压器 Transformer	15W
DPM-8S	1120*440*71	203	RS232/ 电流环 Current Loop	600bps	铁壳 Iron Case	开关电源 Switching Power Supply	15W



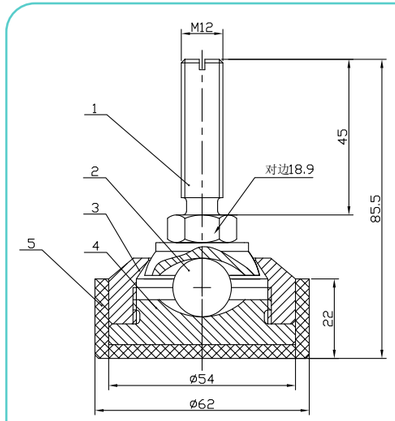
TECHNICAL PARAMETER

尺寸Size(mm) / 量程Capacity	D1	D2	D3	H1	H2	H3	O 型圈规格 O-ring Size
0.5，1，2，3t	∅ 28.5	∅ 35	∅ 16.5	45.5	20	8	B 0*1*1*2 G
5t	∅ 35	∅ 42	∅ 22.3	59	38	14.5	B 0*1*7 G

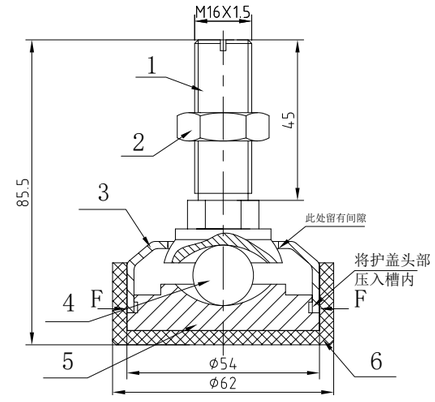


TECHNICAL PARAMETER

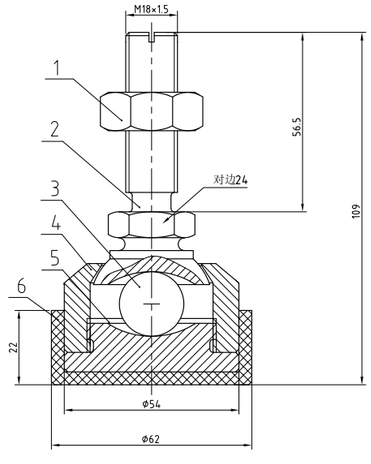
尺寸Size(mm) / 量程Capacity	D1	D2	D3	D4	H1	H2	H3	H4	O 型圈规格 O-ring Size
10t	∅ 54.5	∅ 57	∅ 41	∅ 32.5	81	64.5	56	11	C 0*2*5 G
15，20t	∅ 63.5	∅ 70	∅ 47.5	∅ 38.5	85.5	68	57.5	15	C 0*3*1*5 G



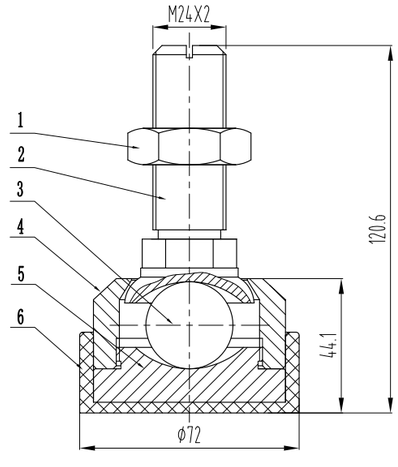
M12



M16

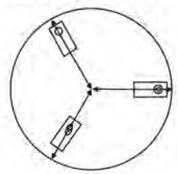


M18

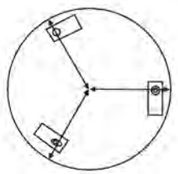


M24

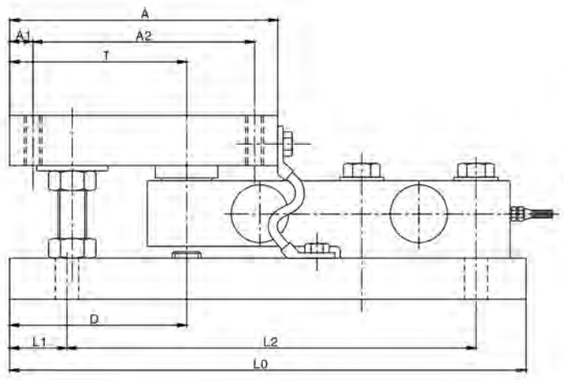
静载模块安装方式
Static weighing module installation



径向安装Radial mouting



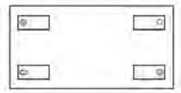
切向安装Cutting mouting



TECHNICAL PARAMETER

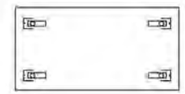
额定载荷（t）Rated load	模块主要外型及安装尺寸 Module Outline and Mounting Dimensions															
	A	A1	B	B1	L0	L1	L2	C	C1	H	H1	H2	T	D	Y	Z
0.3~3	150	124	128	102	286	32	226	112	80	102	24	19	99	96	M10	13
5,7.5,8	178	146	152	120	318	32	257	152	102	129	38	29	102	99	M16	17
10	184	152	154	122	360	32	295	154	106	166	44	44	108	105	M20	21
15~25	220	170	220	170	400	25	350	220	170	211	54	54	115	115	M24	26

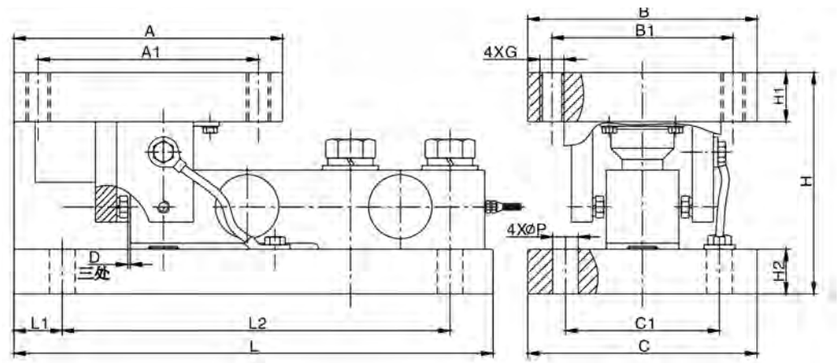
固定式Fixed Module
全浮动式Float Module
半浮动式Semi-float Module



矩形安装Rectang mouting

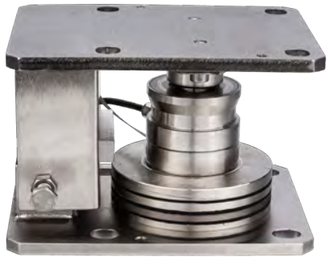
动载模块安装方式
Dynamic weighing module installation



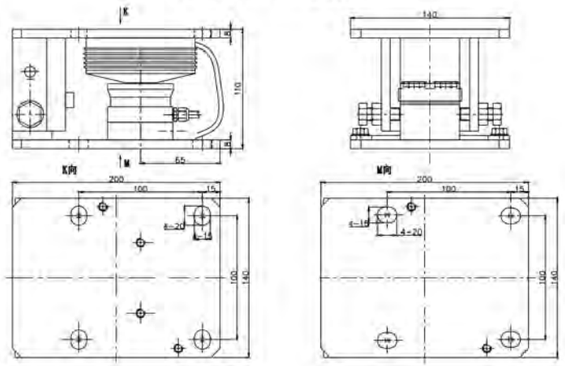


TECHNICAL PARAMETER

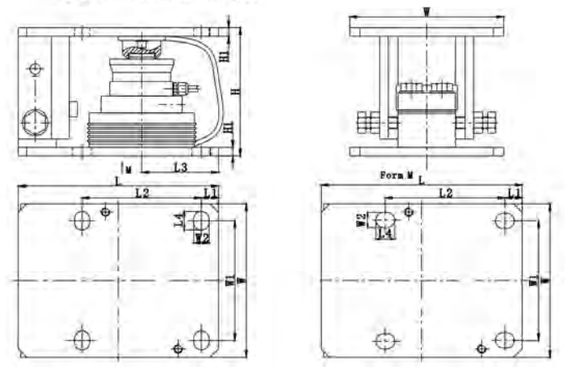
额定载荷（t）Rated load	模块主要外型及安装尺寸 Module Outline and Mounting Dimensions														
	A	A1	B	B1	L	L1	L2	C	C1	H	H1	H2	D	G	P
0.3~3	150	124	128	102	286	32	226	112	80	107	19	19	1.6	M10	13
5,7.5,8	178	146	152	120	317.5	32	257	152	102	146	32.5	29	1.6	M16	17
10	184	152	154	122	360	32	295	154	106	216	44	44	3	M20	21
15~25	220	170	220	170	400	25	350	220	170	252	54	54	3	M24	26



NHS-A1~4.7t 总装C

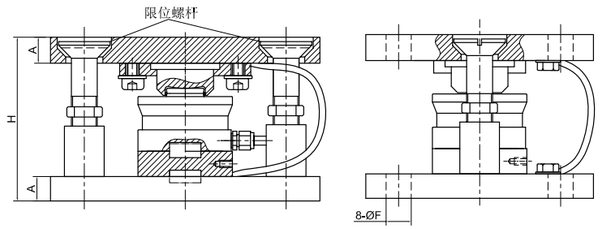


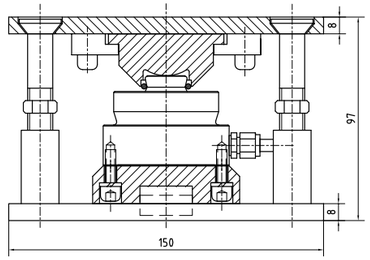
NHS-A10t~150t 总装C

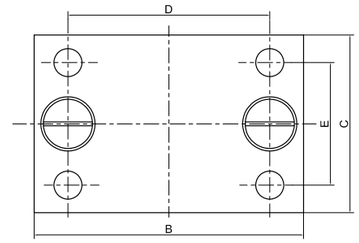


TECHNICAL PARAMETER

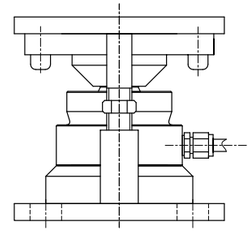
尺寸Dimension / 量程Capacity	L	L1	L2	L3	L4	W	W1	W2	H	H1
10~22t	235	20	140	90	22	180	140	18	150	8
33t	340	35	200	135	26	250	200	22	192	12
47t	380	45	230	150	30	280	230	26	230	20
68t	380	45	230	150	30	280	230	26	240	20
100t	410	35	245	155	30	310	245	26	300	30
150t	410	35	245	155	30	310	245	26	310	30

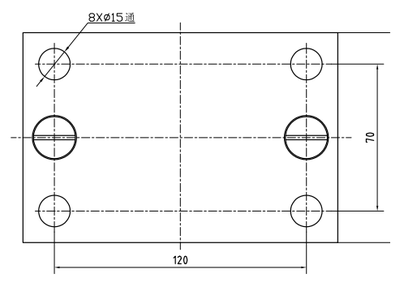






1~4.7T



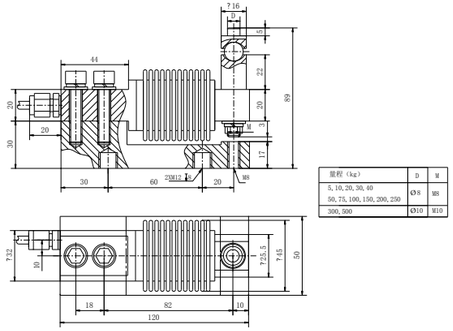


TECHNICAL PARAMETER

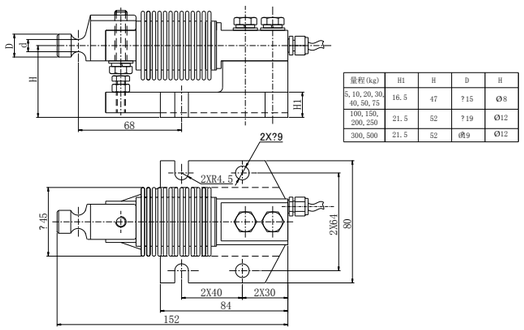
尺寸Size(mm) / 量程Capacity	A	B	C	D	E	H	F	备注
6.8/10/15/22t	22.5	230	180	190	150	140	18	模块 G
33t	22.5	230	180	190	150	165	18	模块 G
47t	22.5	280	230	235	170	185	26	模块 G
68t	22.5	300	230	235	170	195	26	模块 G
100t	22.5	340	250	270	190	222	26	模块 G
150t	22.5	340	250	270	190	222	26	模块 H
220t	29.5	490	350	418	278	294	26	模块 H
330t	29.5	490	350	418	278	309	26	模块 H
470t	29.5	490	350	418	278	384	26	模块 H

EMCELLS

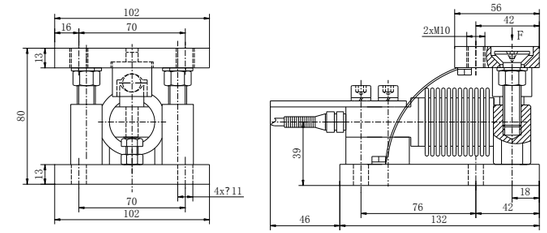
HSX 总装 B



HSX 总装 C

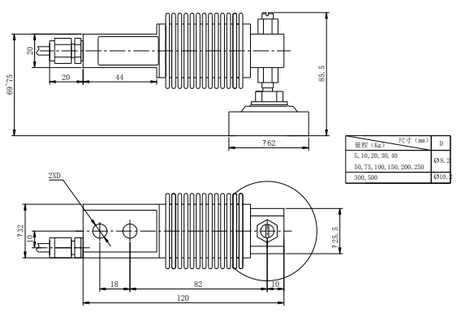


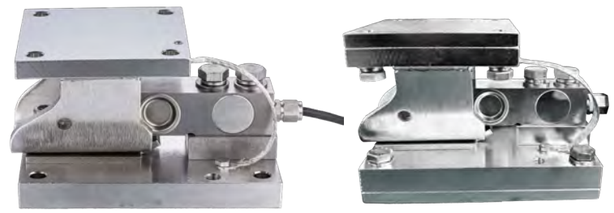
HSX 总装 D

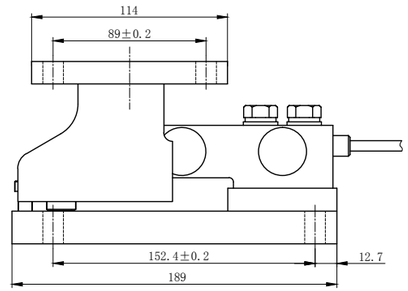


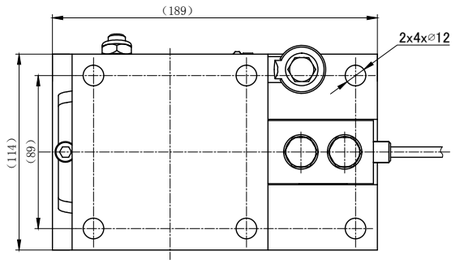
主要应用：通过对桶内的重量变化值来进行实时的监控，实现对补料工作进行限值控制和对满料情况进行报警控制，实现全自动生产流程。

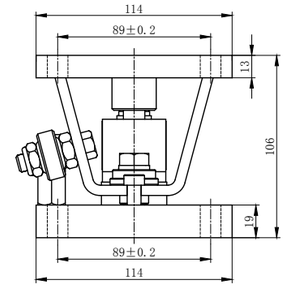
HSX 总装 E





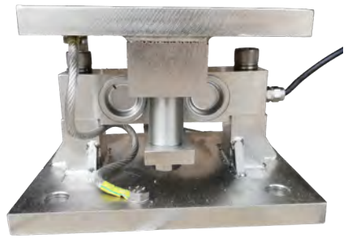


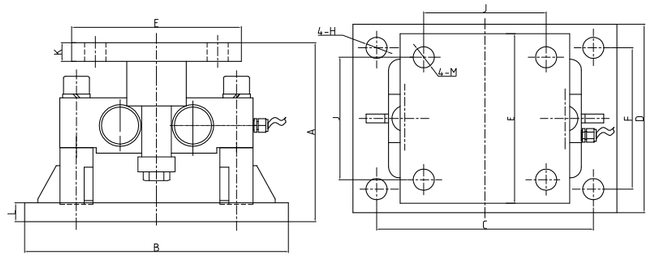




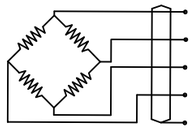
TECHNICAL PARAMETER

额定载荷 Rated load	500kg~2.5t
灵敏度 Sensitivity	3.0±0.002mV/V
综合误差 Total error	±0.03%F.S
蠕变（30 分钟）Creep(30min)	±0.02%F.S
零点平衡 Zero balance	±1%F.S
零点温度影响 TC ZERO	±0.15%F.S/10°C
输出温度影响 TC SPAN	±0.15%F.S/10°C
输入阻抗 Input resistance	400±20Ω
输出阻抗 Output resistance	352±3Ω
绝缘电阻 Insulation resistance	≥ 5000MΩ
工作温度范围 Service temp range	-20~+65°C
安全过载 Safe load limit	150%F.S
极限过载 Latcral load limit	300%F.S
推荐激励电压 Recommend excitation	5-15 V DC
最大激励电压 Maximum excitation	20V DC
密封等级 Protection class	IP68
材料 Material	合金钢 Alloy Steel 不锈钢stainless steel
电缆 Cable	长度 Length=1.5m/3m

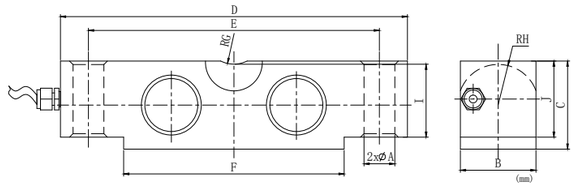




接线图Wiring Schematic diagram



- 激励+（红） Exc+(Red)
- 信号+（绿） Sig+(Green)
- 激励-（黑） Exc-(Black)
- 信号-（白） Sig-(White)
- 屏蔽线 Shield

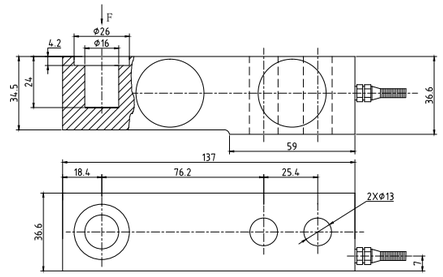


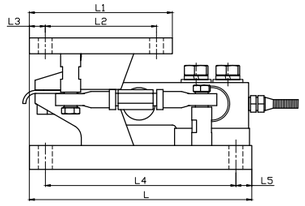
尺寸Size(mm) / 量程Capacity(k1b)	A	B	C	D	E	F	H	J	K	L	M
10~25	168	254	190.5	203	203	152	20	152	19	19	20
40	198	355.6	292.1	254	203	190.5	28.5	152	19	25.4	20
50~75	241.3	355.6	292.1	254	228.6	190.5	28.5	165	25.4	25.4	28.5

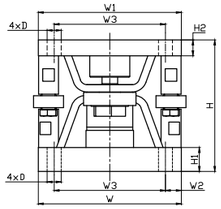
量程Capacity(k1b)	A	B	C	D	E	F	G	H	I	J
10~25	17.3	42.9	49.3	196.9	165.1	125.1	19.1	22.9	41.4	43.2
40	21	49.3	62.0	260.4	215.9	162.4	25.4	28.5	50.8	53.3
50~75	27.0	62.0	74.7	260.4	215.9	162.4	25.4	34.8	64.5	67.3
100~125	41.0	73.6	98.0	387.4	323.8	228.4	38.1	45.7	83.8	87.1

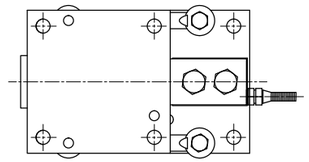
TECHNICAL PARAMETER 4Wires;Exc+(红, Red)；Exc-（黑, Black);Slg+(绿, Green);Sig-（白, White)

额定载荷 Rated load	10、20、25、40、50、60、75、100、125k1b	绝缘电阻 Insulation Resistance	≥ 5000MΩ
精度等级 Accuracy class	0.05	额定温度 Nominal Temp Range	-10~+40°C
灵敏度 Sensitivity	3.0±0.003mV/V	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.05%F.S	安全过载 Safe Load Limit	150%F.S
滞后误差 Hysteresis error	±0.03%F.S	极限过载 Lateral Load Limit	200%F.S
蠕变 Creep （30min）	±0.03%F.S	额定激励电压 Nominal of range Excitation	10~12V DC
零点温度影响 TC ZERO	±0.02%F.S/10°C	密封等级 Protection Class	15V DC
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢 Alloy Steel
输出温度影响 TC Span	±0.02%F.S/10°C	电缆 Cable	长度 Length：12m(10~40k1b) 16m(50~125k1b)
输入阻抗 Insulation resistance	750±10Ω		
输出阻抗 Output Resistance	702±5Ω		

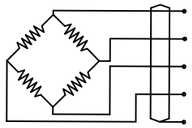








接线图Wiring Schematic diagram



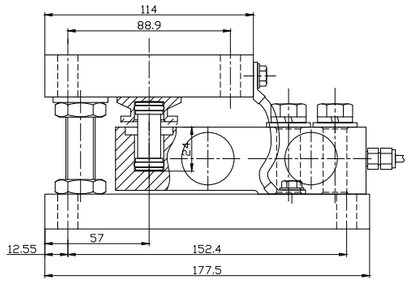
- 激励+（绿） Exc+(Green)
- 信号+（白） Sig+(White)
- 激励-（黑） Exc-(Black)
- 信号-（红） Sig-(Red)
- 屏蔽线 Shield

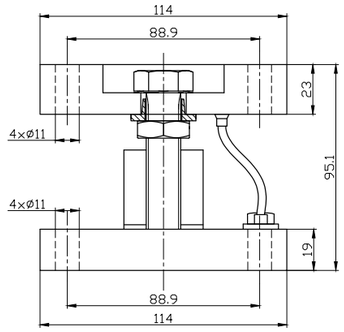
量程(lb) Range	D	H	H1	H2	L	L1	L2	L3	L4	L5	W	W1	W2	W3
500kg~2.2t	Ø 11.2	105.2	19.1	12.7	177.9	114.4	89	12.7	152.4	12.7	114.4	114.4	12.7	89
3t~5t	Ø 17.5	136.6	25.4	19.1	235	152.4	101.6	25.4	184.2	25.4	152.4	152.4	25.4	101.6

TECHNICAL PARAMETER 4Wires;Exc+(绿, Green)；Exc-（黑, Black);Slg+(白, White);Sig-（红, Red)

额定载荷 Rated load	500kg、1t、1.1t、2t、2.2t、3t、4.4t、5t	绝缘电阻 Insulation Resistance	≥ 5000MΩ(DC50V)
灵敏度 Sensitivity	1.94±0.002mV/V	温度补偿范围 Temperature range, compensate	-10~+40°C
综合误差 Total error	±0.03%F.S	工作温度范围 Service Temp Range	-30~+70°C
重复性 Reapeatability	±0.01%F.S	安全过载 Safe Load	150%F.S
滞后 Hysteresis	±0.02%F.S	极限过载 Lateral Load Limit	200%F.S
蠕变 Creep （30min）	±0.02%F.S	推荐激励电压 Recommend Excitation	5~12V DC
零点平衡 Zero balance	±1%F.S	最大激励电压 Maximum Excitation	15V DC
零点温度影响 TCO	±0.02%F.S/10°C	密封等级 Protection Class	IP68
输出温度影响 TC Span	±0.02%F.S/10°C	传感器材质 Construction	合金钢 Alloy Steel 不锈钢stainless steel
输入阻抗 Insulation resistance	380±20Ω	电缆 Cable	长度 Length：3m 直径 Diameter: Ø 5mm
输出阻抗 Output Resistance	350±3Ω		

额定载荷 Rated load	1t、1.5t、2t	绝缘电阻 Insulation Resistance	≥ 5000MΩ
灵敏度 Sensitivity	2.0±0.002mV/V	工作温度范围 Service Temp Range	-30~+70°C
综合误差 Total error	±0.03%F.S	安全过载 Safe Load	150%F.S
蠕变 Creep （30min）	±0.03%F.S	极限过载 Lateral Load Limit	200%F.S
零点平衡 Zero balance	±1%F.S	推荐激励电压 Recommend Excitation	10~12V DC
零点温度影响 TCO	±0.02%F.S/10°C	最大激励电压 Maximum Excitation	15V DC
输出温度影响 TC Span	±0.02%F.S/10°C	密封等级 Protection Class	IP67
输入阻抗 Insulation resistance	400±20Ω	材料 Material	合金钢 Alloy Steel
输出阻抗 Output Resistance	352±3Ω	电缆 Cable	长度 Length：3.5m 直径 Diameter: Ø 6mm

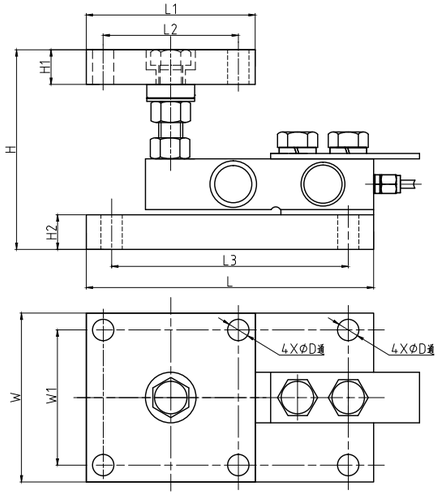




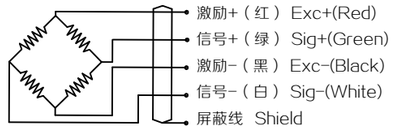
TECHNICAL PARAMETER

额定载荷Rated load	0.5, 1, 2, 3(t)	绝缘电阻 Insulation resistance	≥ 5000MΩ
灵敏度 Sensilivity	2.0±0.002mV/V，1.7±0.002mV/V（0.5t）	额定温度 Nominal Temp Range	-10~+40°C
综合误差 Total error	±0.03%F.S	工作温度范围 Service Temp Range	-30~+70°C
线性误差 Non-linearity	±0.03%F.S	安全负载 Safe load limit	150%F.S
滞后误差 Hysleresis error	±0.03%F.S	破环负载 Breaking laod	200%F.S
蠕变 (30 分钟） Creep(30min)	±0.03%F.S	额定激励电压 Nominal of range excitation	10-12 V DC
零点平衡 Zero balance	±1%F.S	最大激励电压 Maximum excitation	10-12 V DC
零点温度影响 TC ZERO)	±0.02%F.S/10°C	密封等级 Protection Class	IP66(500kg) IP67（1~2t)
灵敏度温度影响 TC SPAN	±0.02%F.S/10°C	材料 Material	合金钢Alloy Steel
输入阻抗 Input reslstance	400±20Ω	电缆Cable	Length: 3.5m Diameter: Ø 6mm
输出阻抗 Outpit resistance	352±3Ω		

EMCELLS



接线图Wiring Schematic diagram

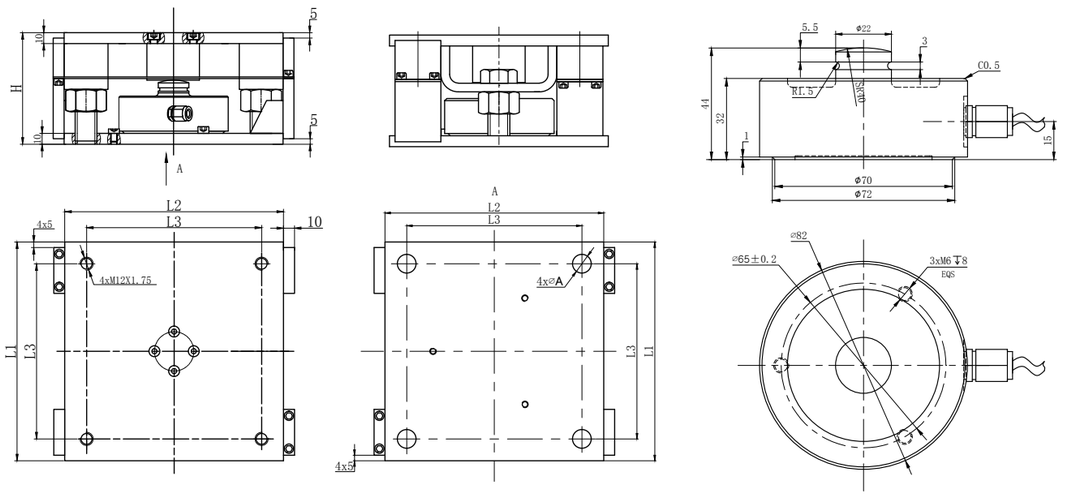


尺寸Size(mm) / 量程Capacity(k1b)	L	L1	L2	L3	H	H1	H2	W	W1	D
1~2t	180.9	127	101.6	152.4	120	18	18	127	101.6	16
3~5t	215.9	127	101.6	177.8	150	26	26	127	101.6	16
7.5~10t	286	170	127	239	200	34	34	170	127	22

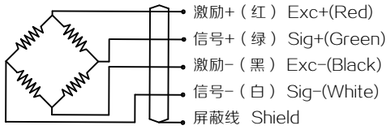
TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷 Rated load	1t、2t、3t、5t、7.5t、10t	绝缘电阻 Insulation Resistance	≥ 5000MΩ
灵敏度 Sensitivity	3.0±0.003mV/V	工作温度范围 Operating Temp Range	-30~+70°C
综合误差 Total error	±0.05%F.S	安全过载 Safe Load	150%F.S
蠕变 Creep （30min)	±0.02%F.S	极限过载 Lateral Load Limit	250%F.S
零点平衡 Zero balance	±1%F.S	推荐激励电压 Recommend Excitation	10~12V DC
零点温度影响 TCO	±0.02%F.S/10°C	最大激励电压 Maximum Excitation	15V DC
输出温度影响 TC Span	±0.02%F.S/10°C	密封等级 Protection Class	IP67
输入阻抗 Insulation resistance	400±20Ω	材质 Material	不锈钢stainless steel
输出阻抗 Output Resistance	352±3Ω	电缆 Cable	长度 Length：3m(1~2t)、4.2m(3~5t)、5m(7.5~10t)。 直径 Diameter: Ø 6mm

量程 Capacity	L1	L2	L3	H	A
2.5~10t	150	175	115	95	14
15~20t	200	200	160	102	17

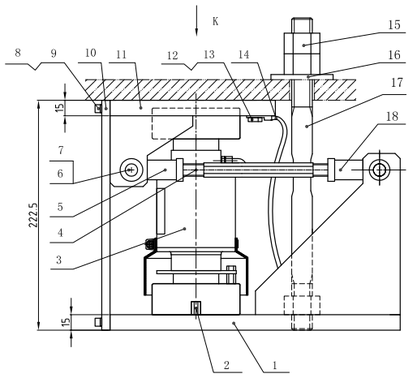


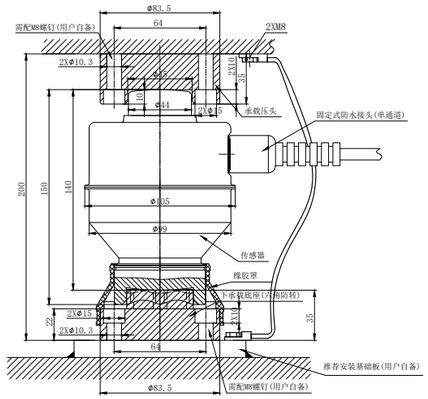
接线图Wiring Schematic diagram



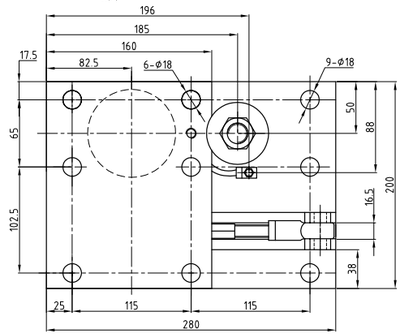
TECHNICAL PARAMETER 4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷 Rated load	1t、2.5t、3t、10t	绝缘电阻 Insulation Resistance	≥ 5000MΩ
灵敏度 Rated output	2.0±0.005mV/V	工作温度范围 Operating Temp Range	-30~+70°C
综合误差 Accuracyclass	±0.05%F.S	安全过载 Safe LoadRange	150%F.S
蠕变 Creep （30min)	±0.04%F.S	极限过载 Lateral Load Limit	200%F.S
零点温度影响 TCO	±0.03%F.S/10°C	推荐激励电压 Recommend Excitation	10~12V DC
输出温度影响 TC Span	±0.03%F.S/10°C	最大激励电压 Maximum Excitation	15V DC
输入阻抗 Insulation resistance	750±20Ω	密封等级 Protection Class	IP68
输出阻抗 Output Resistance	702±20Ω	传感器材质 Construction	不锈钢stainless steel
		电缆 Cable	长度 Length：5m 直径 Diameter: ∅ 5mm

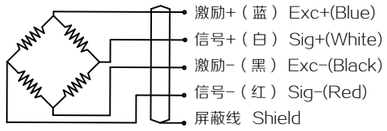




K向

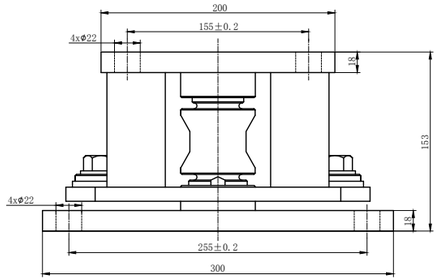


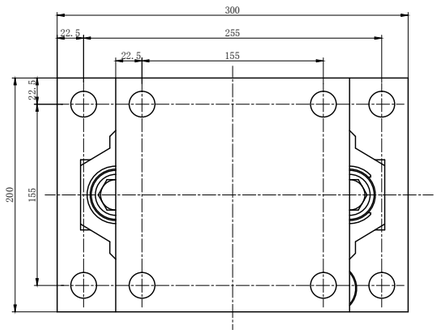
接线图Wiring Schematic diagram

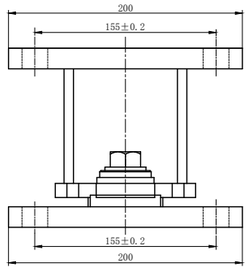


TECHNICAL PARAMETER 4Wires;Exc+(蓝，Blue)；Exc-（黑，Black);Slg+(白，White);Sig-（红，Red）

额定载荷 Rated load	20t、30t、40t、50t	额定温度 NominalTemp Range	-10~+40°C
额定输出 Rated output	20000、30000、40000、50000 （内码)Code value	工作温度范围 Operating Temp Range	-30~+70°C
精度等级 Accuracyclass	C3	安全过载 Safe LoadRange	150%F.S
蠕变 Creep （30min)	±0.02%F.S	极限过载 Lateral Load Limit	200%F.S
零点温度影响 TCO	±0.02%F.S/10°C	推荐激励电压 Recommend Excitation	9~12V DC
输出温度影响 TC Span	±0.02%F.S/10°C	最大激励电压 Maximum Excitation	15V DC
通讯方式 Communication methods	RS485	密封等级 Protection Class	IP68
通讯波特率 Communication	19200BPS	传感器材质 Construction	合金钢 Alloy Steel 不锈钢stainless steel
数据刷新速率 DigitalRefurbishingFrepuency	10 次 / 秒	电缆 Cable	长度 Length：16m 规格 : ∅ 8.8mm(双屏蔽透明管导线)
绝缘电阻 Insulation Resistance	≥ 2000MΩ(50V DC)		

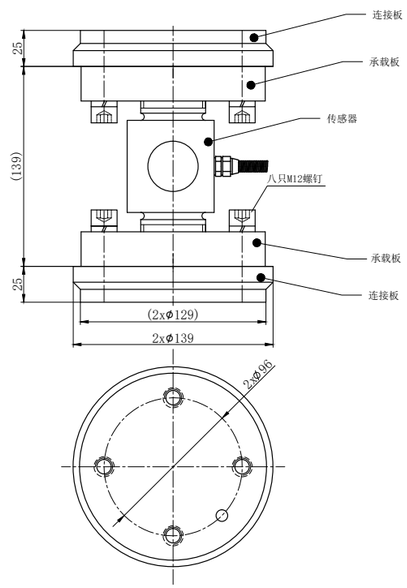




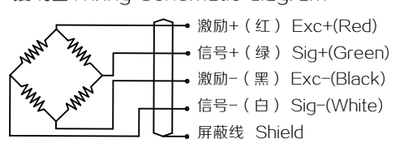


TECHNICAL PARAMETER

额定载荷 Rated load	5t~30t	绝缘电阻 Insulation Resistance	≥ 5000MΩ
灵敏度 Sensitivity	2.0±0.002mV/V	工作温度范围 Operating Temp Range	-30~+70°C
综合误差 Total error	±0.03%F.S	安全过载 Safe Load	150%F.S
蠕变 Creep （30min）	±0.02%F.S	极限过载 Lateral Load Limit	200%F.S
零点平衡 Zero balance	±1%F.S	推荐激励电压 Recommend Excitation	10~12V DC
零点温度影响 TCO	±0.15%F.S/10°C	最大激励电压 Maximum Excitation	15V DC
输出温度影响 TC Span	±0.15%F.S/10°C	密封等级 Protection Class	IP68
输入阻抗 Insulation resistance	720±3Ω	材质 Construction	合金钢 Alloy Steel 不锈钢stainless steel
输出阻抗 Output Resistance	702±3Ω	电缆 Cable	长度 Length：10m



接线图Wiring Schematic diagram



TECHNICAL PARAMETER

4Wires;Exc+(红，Red)；Exc-（黑，Black);Slg+(绿，Green);Sig-（白，White）

额定载荷 Rated load	20t,25t	绝缘电阻 Insulation Resistance	≥ 5000MΩ
灵敏度 Sensitivity	2.0±0.01mV/V	工作温度范围 Operating Temp Range	-30~+70°C
综合误差 Total error	±0.5%F.S	安全过载 Safe Load	120%F.S
蠕变 Creep （30min）	±0.05%F.S	极限过载 Lateral Load Limit	150%F.S
零点平衡 Zero balance	±1%F.S	推荐激励电压 Recommend Excitation	10~12V DC
零点温度影响 TCO	±0.05%F.S/10°C	最大激励电压 Maximum Excitation	15V DC
输出温度影响 TC Span	±0.05%F.S/10°C	密封等级 Protection Class	IP67
输入阻抗 Insulation resistance	400±20Ω	材质 Construction	合金钢 Alloy Steel
输出阻抗 Output Resistance	352±3Ω	电缆 Cable	长度 Length：10m 直径 Diameter: Ø 5mm