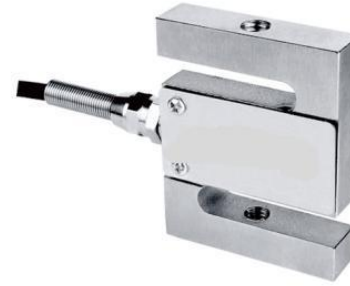


SES S型力传感器

特点/Feature

SES采用高精度电阻应变式原理
可满足0-20T范围内的力测量
S型结构设计，拉压双向，安装使用方便灵活
不锈钢/合金钢材质
SES adopts high-precision resistance strain principle
Meet force measurement in the range of 0-20T
S structural design, compression and tension, easy to install and flexible
Stainless steel /Alloy steel material

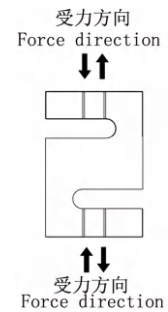


技术参数/Technical specifications

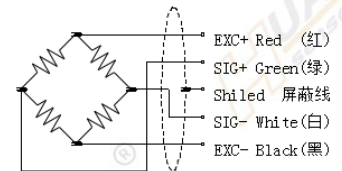
*外形和量程可根据客户的要求特殊定制
Dimension and capacity can be customized by request.

量程 (可选) Capacity (Optional)	5kg, 10kg, 20kg, 50kg, 100kg, 200kg, 500kg, 1t, 1.5t, 2t, 5t, 7t, 8t, 10t, 20t		
非线性 Nonlinearity	0.02~0.05 % F.S.	输出灵敏度 Rated output	2.0 ± 10% mV/V
使用电压力 Recommended excitation	5~10VDC	最大使用电压 Maximum excitation	10V DC
防护等级 Protection class	IP66	温度补偿范围 Compensated temp range	- 10 ~ 40 °C
滞后 Hysteresis	0.02~0.05 % F.S.	工作温度范围 Operating temp range	- 20 ~ 80 °C
重复性 Repeatability	0.02~0.05 % F.S.	绝缘电阻 Insulation	≥ 5000MΩ / 100VDC
输入阻抗 Input impedance	380 ± 30 Ω	输出阻抗 Output impedance	350 ± 5 Ω
蠕变 (30分钟) Creep (30min)	0.02 % F.S.	温度灵敏度漂移 Temp effect on output	0.02 % F.S. / 10 °C
零点输出 Zero balance	± 1 % F.S.	零点温度漂移 Temp effect on zero	0.02 % F.S. / 10 °C
安全超载 Safe load limit	150%	极限超载 Ultimate load limit	200%
电缆线尺寸 Cable size	Ø5 x 3m	使用寿命 Life	满量程100万次以上 Full scale more than 1 million times
电缆线连接方式 Cable connection	Ex + : 红 Red; Ex - : 黑 Black; Sig + : 绿 Green; Sig - : 白 White		

受力方向/Load direction

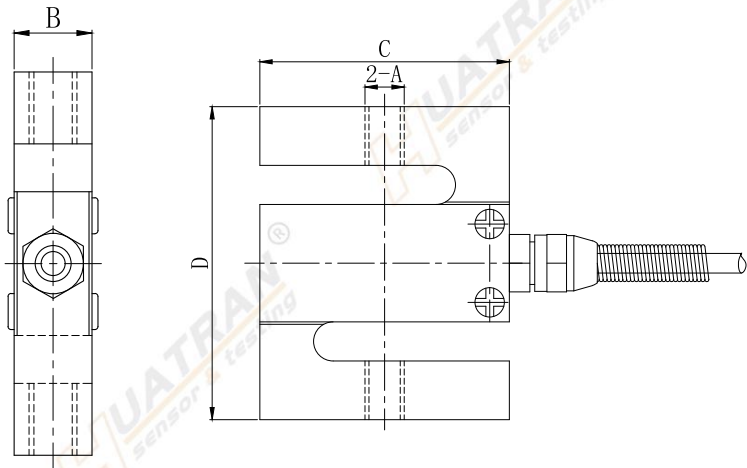


接线图/Wiring code



平面图/Plan (单位:mm)

量程Capacity	A	B	C	D
5/10/20/50kg	M8	12.7	51	64
100/200/500kg	M12	19.1	51	76
1/1.5t	M12	25.4	51	76
2/5t	M20	25.4	76	108
7/8/10t	M30	51	127	178
20t	M36 x 3	60	140	188



主要应用/Applications

小力值试验机、料斗秤、插拔力测试仪，铆钉机，焊接机，冷热压贴膜机，键盘按钮手感度测试仪等拉压力测试仪器以及自动化设备领域和测试领域
Mainly applied in tension and compression testing instruments and automatic equipments fields, such as small range of force testing instruments, hopper scales, insertion force test instruments, riveting machine, welding machine, hot & cold lamination machine, feeling tester for keyboard switch, and etc.