

XJC-Y05



*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.

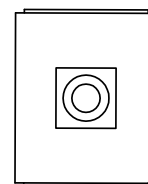
特点/Feature

- ★ XJC-Y05采用高精度电阻应变式原理
- ★ 可满足 0-50T 范围内的力测量。
- ★ 防油、防潮、耐腐蚀
- ★ 压式承载，安装使用方便灵活。
- ★ 响应频率高
- ★ XJC-Y05 adopts high-precision resistance strain principle
- ★ Meet force measurement in the range of 0-50T .
- ★ Oil, moisture-proof , corrosion resistance
- ★ Capsule structural design, pressure-bearing, easy to install.
- ★ High response frequency

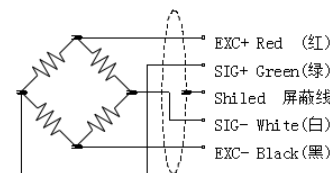
技术参数/Technical specifications

量程 (可选) Capacity (Optional)	0.5t,1t,2t,5t,10t,20t,30t,50t	材质 Material	不锈钢/Stainless steel 合金钢/Alloy steel
非线性 Nonlinearity	0.5% F.S.	输出灵敏度 Rated output	1.0±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	IP64	温度补偿范围 Compensated temp range	- 10 ~ 40 °C
滞后 Hysteresis	0.5% F.S.	工作温度范围 Operating temp range	- 20 ~ 80 °C
重复性 Repeatability	0.5% F.S.	绝缘电阻 Insulation	≥5000M Ω /100VDC
输入阻抗 Input impedance	380 ± 30 (750 ± 50 Ω)	输出阻抗 Output impedance	350 ± 5 Ω (700 ± 10 Ω)
蠕变 (30分钟) Creep (30min)	0.2% F.S.	温度灵敏度漂移 Temp effect on output	0.2 % F.S. / 10°C
零点输出 Zero balance	± 2% F.S.	零点温度漂移 Temp effect on zero	0.2 % 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	∅5x3m	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

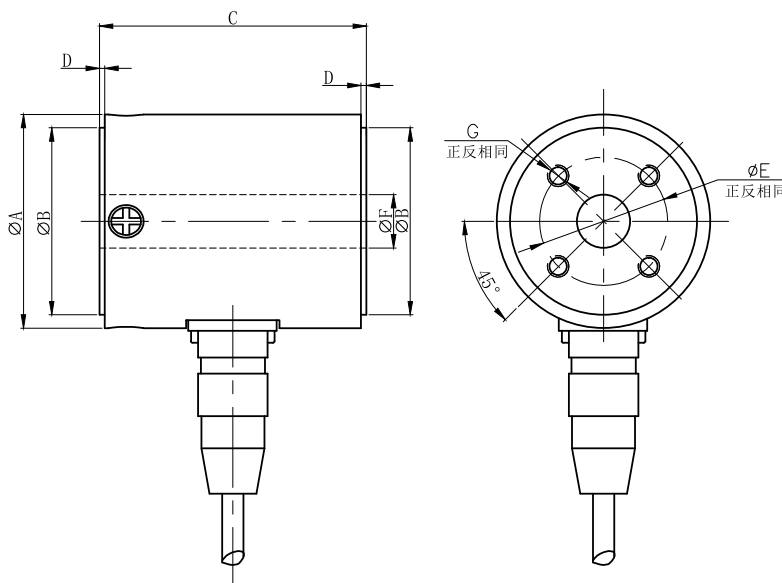


接线图/Wiring code



平面图/Plan (单位:mm)

量程/Capacity	A	B	C	D	E	F	G
500kg	40	35	50	1	24	10	2*4-M4深8
1 / 2 / 5t	62	55	70	2	44	18	2*4-M5深8
10t	62	55	70	2	44	18	2*4-M5深8
20t	88	80	100	2	60	20	2*4-M8深8
30t	100	90	120	2	70	20	2*4-M8深8
50t	134	120	150	2	90	30	2*4-M8深8



主要应用/Applications

汽车，医疗，机器人，电子，机械设备，自动化设备等

Automotive, medical, robot, electronic, mechanical equipment, automation equipment, etc.

例如：按键手感测试仪，冷热压机压力检测，机器人手抓力等安装空间小的力值检测领域

Force measurement in small space installation, such as feeling tester for keyboard switch, compression force measurement for hot and cold lamination machine, and grasping force measurement for robotic hands