

**X-S05-16**

**Feature**

- ★ Adopts high-precision resistance strain principle
- ★ Supports force measurement in the range of 0-50kg.
- ★ Sealed welding, oil, water, corrosion resistance
- ★ Compression and tension, easy to install and flexible.
- ★ Small size, appearance

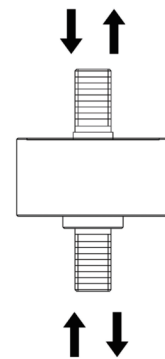


Dimension and capacity can be customized by request.

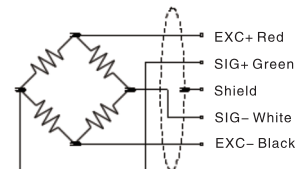
**Technical specifications**

Capacity ( Optional )	10kg,20kg,50kg	Material	Stainless steel
Nonlinearity	≤ 0.2% F.S.	Rated output	1.0±0.2mV/V
Recommended excitation	5-10VDC	Maximum excitation	10V DC
Protection class	IP65	Compensated temp range	- 10 ~ 40 °C
Hysteresis	≤ 0.2% F.S.	Operating temp range	- 20 ~ 80 °C
Repeatability	≤ 0.2% F.S.	Insulation	≥ 5000MΩ/100VDC
Input impedance	350±10Ω(1000±100Ω)	Output impedance	350 ± 5 Ω (1000 ± 100 Ω)
Creep (30min)	≤ 0.2%F.S.	Temp effect on output	≤ 0.2% F.S. /10°C
Zero balance	± 2% F.S.	Temp effect on zero	≤ 0.2% F.S. /10°C
Safe load limit	150%F.S.	Ultimate load limit	200%F.S.
Cable size	Ø2 x4m	Fatigue life	Full scale more than 1 million times
Cable connection	Ex + : Red; Ex - : Black; Sig + : Green; Sig - : White		

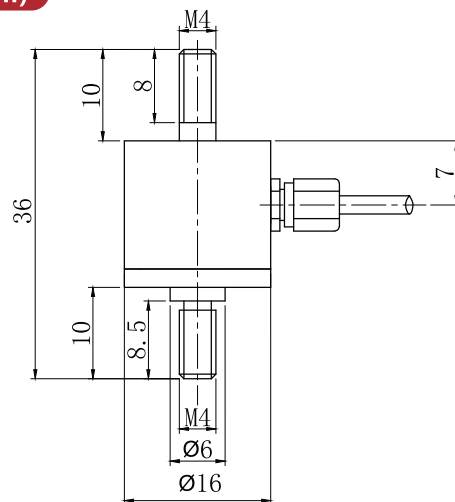
**Load direction**



**Wiring code**



**Dimensional Drawings (mm)**



**Applications**

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

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 dexterous hands.