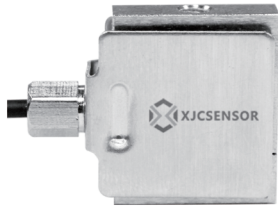


**X-S09-A-OP-M3**

**Feature**



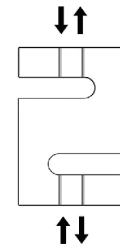
- ★ X-S09-A adopts high-precision resistance strain principle
- ★ Supports force measurement in the range of 0–5kg .
- ★ S-type structural design, compression and tension , easy to install and flexible.
- ★ Small size, beautiful appearance

Dimension and capacity can be customized by request.

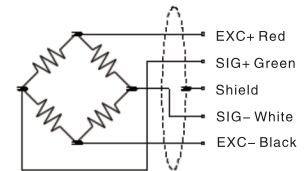
**Technical specifications**

Capacity ( Optional )	250g,500g,1kg,2kg,5kg	Material	Stainless steel
Nonlinearity	≤ 0.05% F.S.	Rated output	1.0–2.0mV/V
Recommended excitation	5–10VDC	Maximum excitation	10V DC
Protection class	IP54	Compensated temp range	- 10 ~ 40 °C
Hysteresis	≤ 0.05% F.S.	Operating temp range	- 20 ~ 80 °C
Repeatability	≤ 0.05% F.S.	Insulation	≥ 5000MΩ /100VDC
Input impedance	350 ± 10 Ω	Output impedance	350±10Ω
Creep (30min)	≤ 0.05% 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	300% F.S.
Cable size	Ø2x4m	Fatigue life	Full scale more than 1 million times
Cable connection	Ex + : Red; Ex - : Black; Sig + : Green; Sig - : White		

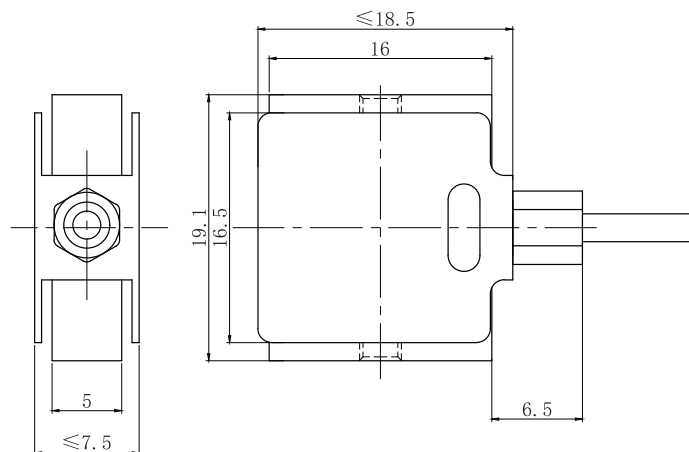
**Load direction**



**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.