

X-S05-25



Feature

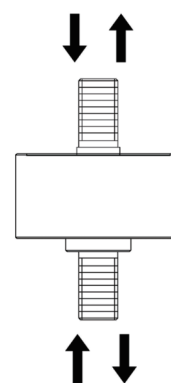
- ★ Adopts high-precision resistance strain principle
- ★ Supports force measurement in the range of 0-100kg.
- ★ Sealed welding, corrosion resistance
- ★ Compression and tension, easy to install and flexible.
- ★ Small size, appearance

Dimension and capacity can be customized by request.

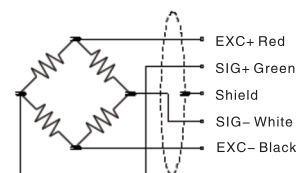
Technical specifications

Capacity (Optional)	5kg,10kg,20kg, 50kg,100kg	Material	Stainless steel
Nonlinearity	≤ 0.1% F.S.	Rated output	1.0±0.2mV/V
Recommended excitation	5-10VDC	Maximum excitation	10V DC
Protection class	IP64	Compensated temp range	- 10 ~ 40 °C
Hysteresis	≤ 0.1% F.S.	Operating temp range	- 20 ~ 80 °C
Repeatability	≤ 0.1% F.S.	Insulation	≥ 5000MΩ/100VDC
Input impedance	750 ± 50 Ω	Output impedance	700 ± 10Ω
Creep (30min)	≤ 0.1% F.S.	Temp effect on output	≤ 0.1% F.S. / 10°C
Zero balance	± 2% F.S.	Temp effect on zero	≤ 0.1% F.S. / 10°C
Safe load limit	150%F.S.	Ultimate load limit	200%F.S.
Cable size	Ø3x4m	Fatigue life	Full scale more than 1 million times
Cable connection	Ex + : Red; Ex - : Black; Sig + : Green; Sig - : White		

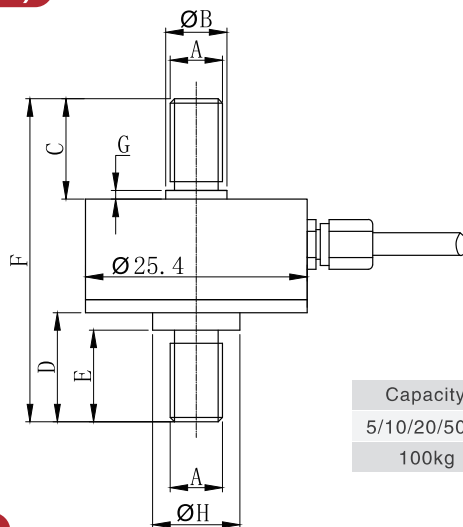
Load direction



Wiring code



Dimensional Drawings (mm)



Capacity	A	B	C	D	E	F	G	H
5/10/20/50kg	M5	7	11.5	12.5	10.5	37	1	10
100kg	M6	7	11.5	12.5	10.5	37	1	10

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.