

## X-CS-U9



### Feature

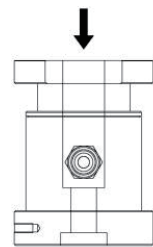
- ★ Adopts high-precision resistance strain principle
- ★ Supports force measurement in the range of 0-5ton.
- ★ Oil, water, corrosion resistance
- ★ Robust pressure-bearing structure with simplified installation.
- ★ High response frequency

Dimension and capacity can be customized by request.

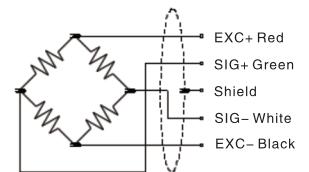
### Technical specifications

Capacity ( Optional )	1t,2t,5t	Material	Alloy steel
Nonlinearity	≤ 0.5% F.S.	Rated output	2.0 ± 0.2mV/V
Recommended excitation	5-10VDC	Maximum excitation	10V DC
Protection class	IP54	Compensated temp range	-10~40℃
Hysteresis	≤ 0.5% F.S.	Operating temp range	-20~80℃
Repeatability	≤ 0.5% F.S.	Insulation	≥ 5000MΩ /100VDC
Input impedance	380 ± 30Ω (750 ± 50Ω)	Output impedance	350 ± 5 Ω ( 700 ± 10Ω )
Creep (30min)	≤ 0.5% F.S.	Temp effect on output	≤ 0.05% F.S. / °C
Zero balance	± 2% F.S.	Temp effect on zero	≤ 0.05% F.S. / °C
Safe load limit	150%F.S.	Ultimate load limit	200% F.S.
Cable size	∅ 4 x4m	Fatigue life	Full scale more than 1 million times
Cable connection	Ex + : Red; Ex - : Black; Sig + : Green; Sig - : White		

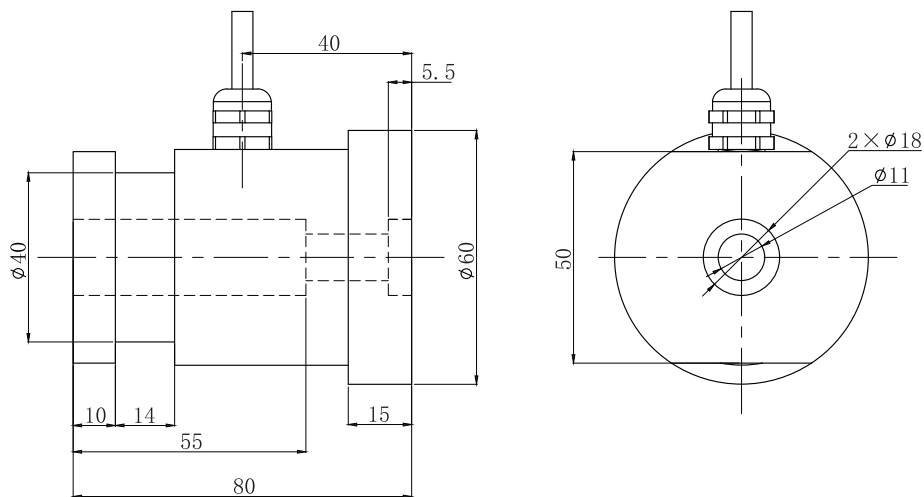
### Load direction



### Wiring code



### Dimensional Drawings (mm)



### Applications

Mainly applied in tension and compression testing instruments, automatic equipments, and testing fields, such as insertion force test instruments, riveting machine, welding machine, hot & cold lamination machine, feeling tester for keyboard switch, and etc.