

## Flange tension sensor

### X-ZL12-A



### Feature

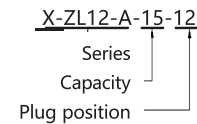
- ★ Built-in self-aligning bearing (two ends are not in the same surface) which can compensate for bearing expansion and misalignment.
- ★ Built-in new mechanical 10 times anti-overload protection.
- ★ Minor temperature drift, good non-linearity and repeatability.
- ★ Small size, little space required for installation.

Dimension and capacity can be customized by request.

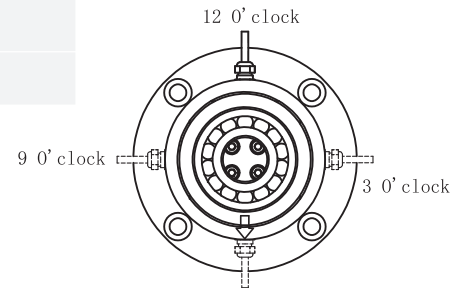
### Technical specifications

Nonlinearity	≤0.3% F.S.	Rated output	1.5 ± 0.003mV/V
Repeatability	≤0.15%F.S.	Zero balance	±2% F.S.
Operating temp range	-20~80°C	Compensated temp range	-10~40°C
Temp effect on zero	≤0.02%F.S /°C	Insulation	≥2000Ω /100VDC
Recommended excitation	5~10VDC	Ultimate load limit	300%F.S.
Cable size	∅5x5m	Protection class	IP54
Cable connection	Ex + : Red; Ex - : Black; Sig + : Green; Sig - : White		

### Naming rules

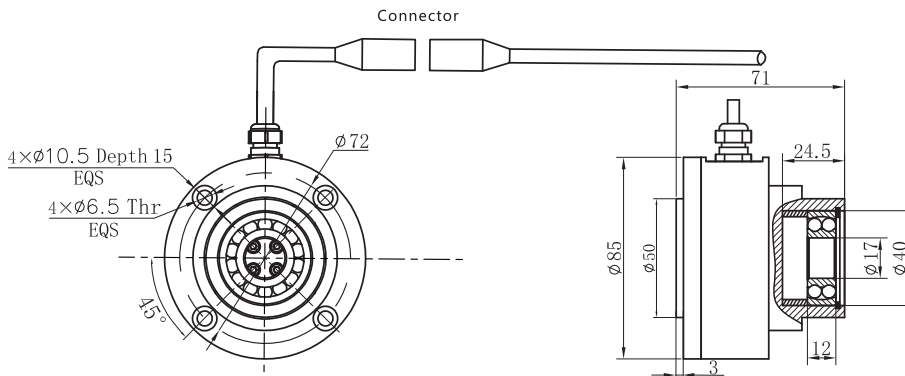


### Plug position



Default standard resultant direction: 6 o'clock  
 Optional standard resultant direction: 12 o'clock  
 Default standard plug direction: 12 o'clock  
 Optional standard plug direction: 3 6 9 o'clock

### Dimensional Drawings (mm)



Model no	Capacity(kg)
X-ZL12-A-2.5-12	2.5
X-ZL12-A-5-12	5
X-ZL12-A-10-12	10
X-ZL12-A-15-12	15
X-ZL12-A-25-12	25
X-ZL12-A-50-12	50

Note: The rated load is only applicable to the value of a single sensor, and if installed on both sides, it is twice the above.

### Applications

It can be used to measure and control the tension of materials during processing, such as paper, label, tape, battery electrode, high performance film and other narrow materials. The sensor's detection signal is not affected by the position of the coiled material on the roller.