X-ZL10

Dimension and capacity can be customized by request.

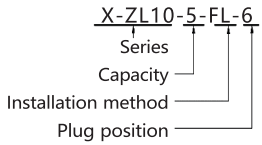
Feature

- ★ Built–in self–aligning bearing (two ends are not in the same surface) which can compensate for bearing expansion andmisalignment.
- ★ Self–aligning bearing is easy to install.
- ★ Built–in new mechanical 10 times anti–overload protection.
- ★ Minor temperature drift, good non–linearity and repeatability.
- ★ Strong connections provide long–term reliability.
- ★ Small size, little space required for installation.
- ★ Two installation directions are available.

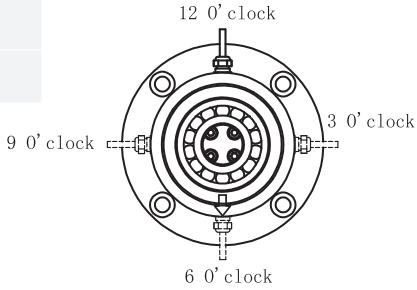
Technical specifications

Nonlinearity	≤0.3% F.S.	Rated output	1.5 ± 0.15mV/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	≥2000MΩ/100VDC
Recommended excitation	5~10VDC	Ultimate load limit	300%F.S.
Cable size	Ø5x5m	Protection class	IP63
Cable connection	Ex+: Red; Ex–: Black; Sig+: Green; Sig–: White		

Naming rules



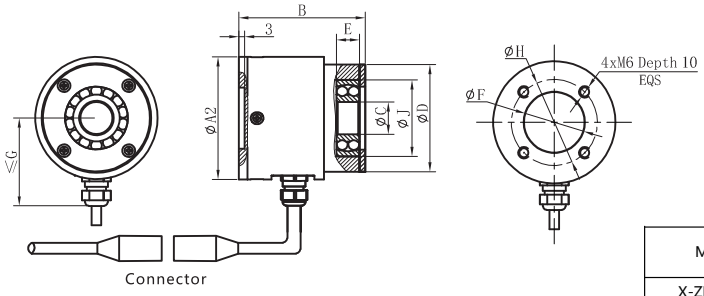
Plug position



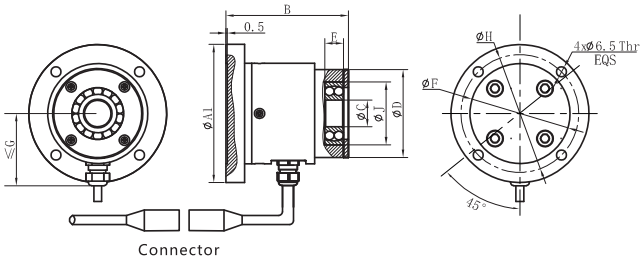
Default standard resultant direction: 6 o'clock
Optional standard resultant direction:12 o'clock
Default standard plug direction: 6 o'clock
Optional standard plug direction: 3 6 9 o'clock

Dimensional Drawings (mm)

Standard installation(BZ)



Flange installation(FL)



Model no	Capacity (kg)	Dimension									
		A1	A2	B	C	D	E	F	G	H	J
X-ZL10-5-BZ-6	5	/	64	66	17	56	12	30	50	45	40
X-ZL10-15-BZ-6	15	/	64	66	17	56	12	30	50	45	40
X-ZL10-25-BZ-6	25	/	64	66	17	56	12	30	50	45	40
X-ZL10-50-BZ-6	50	/	64	66	17	56	12	30	50	45	40
X-ZL10-75-BZ-6	75	/	80	70	25	70	15	47	60	60	52
X-ZL10-100-BZ-6	100	/	80	70	25	70	15	47	60	60	52
X-ZL10-5-FL-6	5	88	/	78	17	56	12	64	50	75	40
X-ZL10-15-FL-6	15	88	/	78	17	56	12	64	50	75	40
X-ZL10-25-FL-6	25	88	/	78	17	56	12	64	50	75	40
X-ZL10-50-FL-6	50	88	/	78	17	56	12	64	50	75	40
X-ZL10-75-FL-6	75	120	/	82	25	70	15	80	60	104	52
X-ZL10-100-FL-6	100	120	/	82	25	70	15	80	60	104	52

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.