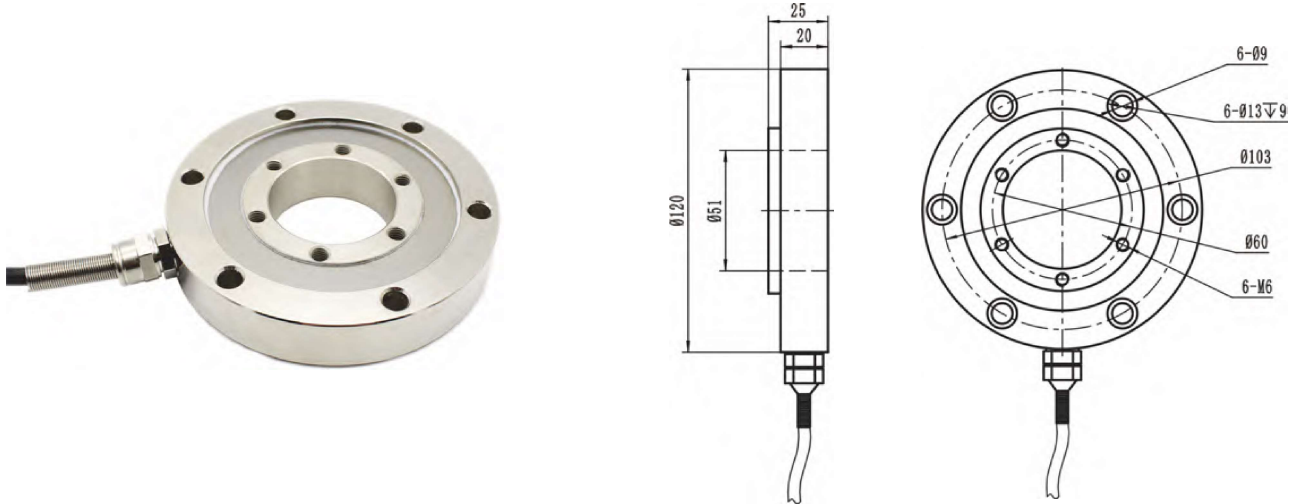


# DYHX-003 Column type load cells



## Product Reviews

### Characteristic

A bolt pretension sensor is a device for measuring and monitoring the axial pretension force of the bolt connections. It can be used to improve the reliability and safety of bolt connection and prevent bolt loosening or overtightening. It can reflect the contact interface stiffness and clamping force of the

bolt connector, and detect or quantify the tightness of the bolt. The inner hole size can be non-standard customization, elastomer for high quality stainless steel material.

### Application Area

- Bolt monitoring and washer bolt pretension sensor of various equipment
- Bolt tightening force test
- Force measuring place with limited installation space
- Automation equipment and testing field

Parameters Table

Range	5000kg	Material quality	Alloy Steel
Output sensitivity	2.0±10% $mV/V$	Impedance	1400 $\Omega$
Zero point output	±2%F.S.	Insulation resistance	≥5000M $\Omega$ /100VDC
Nolinear	0.5%F.S.	Service voltage	5-10v
Hysteresis	0.3%F.S.	Operating temperature range	-20-80°C
Repeatability	0.3%F.S.	Safe overload	120%
Creep (30 min)	0.1%F.S.	Extreme overload	150%
Temperature sensitivity drift	0.05%F.S./10°C	Cable line specifications	$\phi$ 5x3m
Xero point temperature drift	0.05%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

Range (kg)

50	200	300	500	1000	3000	5000
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