MLC415 - Dynamometer Large Range Flange Tension and compression Sensor 30 t

Model: MLC4 15

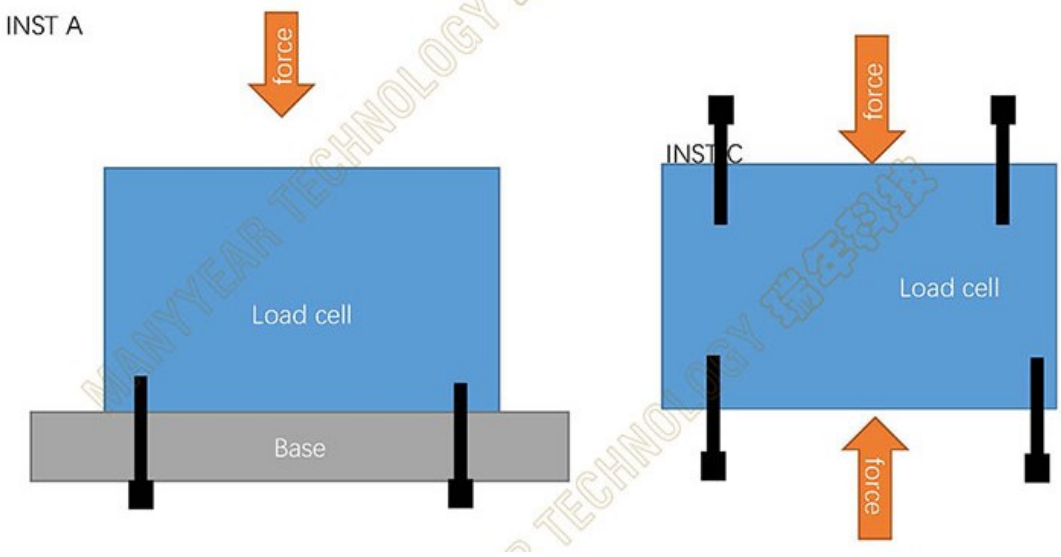
Category: Column load cells

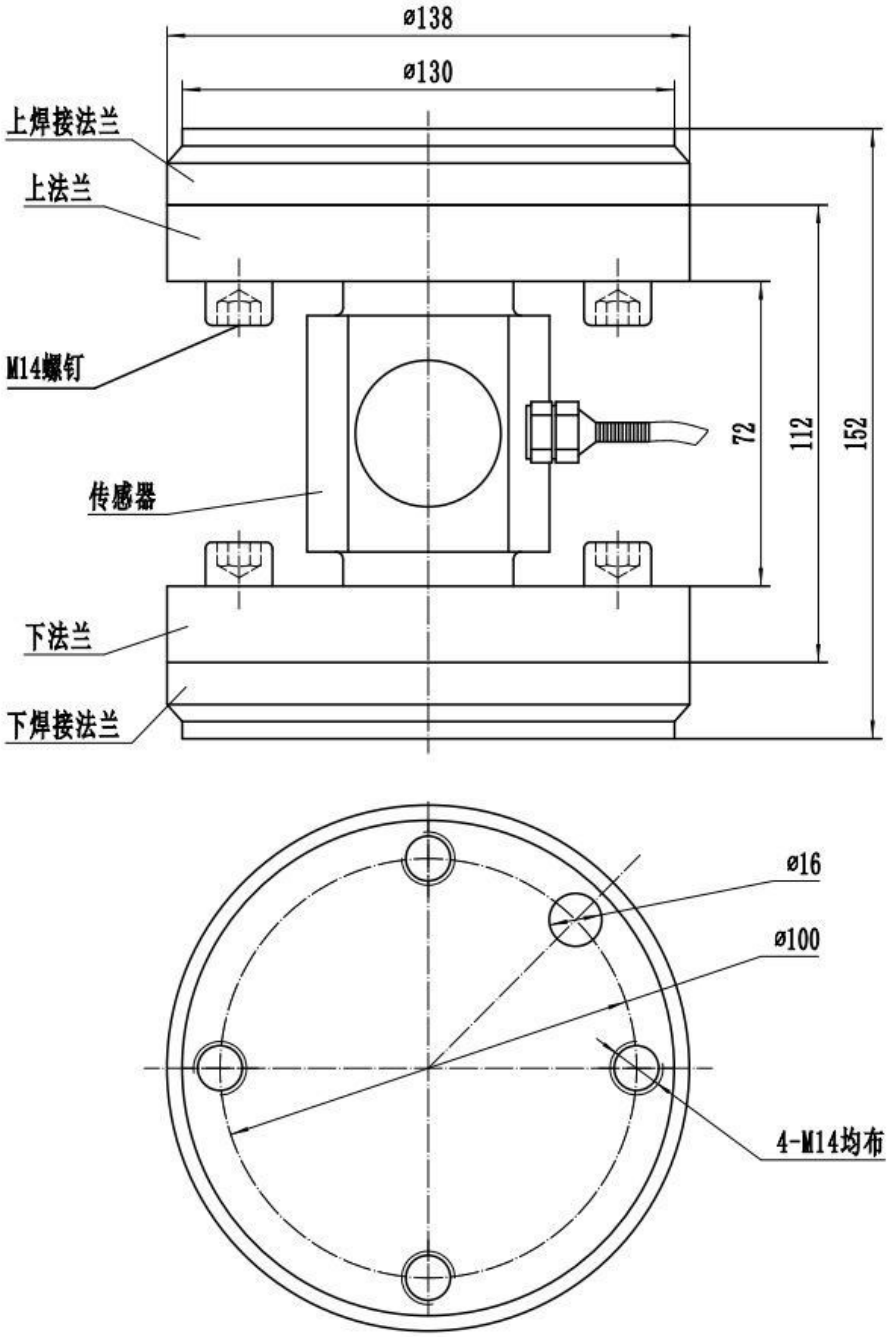
Capacity: 30t

Size: Ø 152*138mm

Material: Alloy steel, Stainless steel

Application: Hydraulic force sensor, oil pressure force sensor, large range force sensor





Technical specifications			
Comprehensive error:	0.1 % FS	Output resistance:	352±5Ω
Rated output:	1.5 ± 0.005mv / v	Insulation resistance:	≥5000MΩ(100VDC)
Nonlinearity:	0.1 % FS	Operating Voltage:	9~12VDC
Lag:	0.1 % FS	Compensation temperature:	-10~+40 ℃
Repeatability:	0.1 % FS	Operating temperature:	-20~+55 ℃
Creep:	0.5 % FS/10MIN	Effect of Temp. on zero point:	0.1 % FS/10 ℃
Zero balance:	±1%FS	Effect of Temp. on sensitivity:	0.1 % FS/10 ℃
Input resistance:	3 5 0±10Ω	Protection level:	IP66 & IP68

FAQ

1. Installation environment: The working environment of the weighing sensor needs to meet certain environmental conditions, such as constant temperature, moisture-proof, dust-proof, etc., to ensure the normal operation of the sensor.
2. Installation method: When installing the weighing sensor, its original structure should be maintained as much as possible to avoid unnecessary changes to its structure during the installation process. In addition, the installation process should avoid damaging the sensor or destroying its sealing.

3. Horizontal adjustment: The weighing sensor should be installed in a horizontal position to ensure the accuracy of the measurement results.

4. Load adjustment: During the installation process, the load should be adjusted to make the output of the sensor meet the requirements. This can be achieved by adding energy-absorbing cushions or fillers between the sensor and the instrument.
5. Grounding: When installing the load cell, ensure that it is grounded correctly to avoid electromagnetic interference affecting the sensor.
6. Fixation: During the installation process, ensure that the sensor is fixed securely to avoid displacement or vibration of the sensor during operation.
7. Anti-corrosion: If the weighing sensor is used in an environment where corrosive gases or liquids exist, appropriate protective measures should be taken, such as adding protective covers, sealing interfaces, etc., to ensure the normal operation of the sensor.

In short, when installing a weighing sensor, you need to fully consider factors such as the environment, installation method, level adjustment, load adjustment, grounding, fixation and corrosion protection to ensure the normal operation of the sensor and the accuracy of the measurement results.