

Pancake load cell

Features

- Product Features
- Range: 300t
- Simple structure, easy to install
- Made of alloy steel, nickel-plated surface
- Good resistance to impact, lateral force and eccentric load
- Both tension and compression

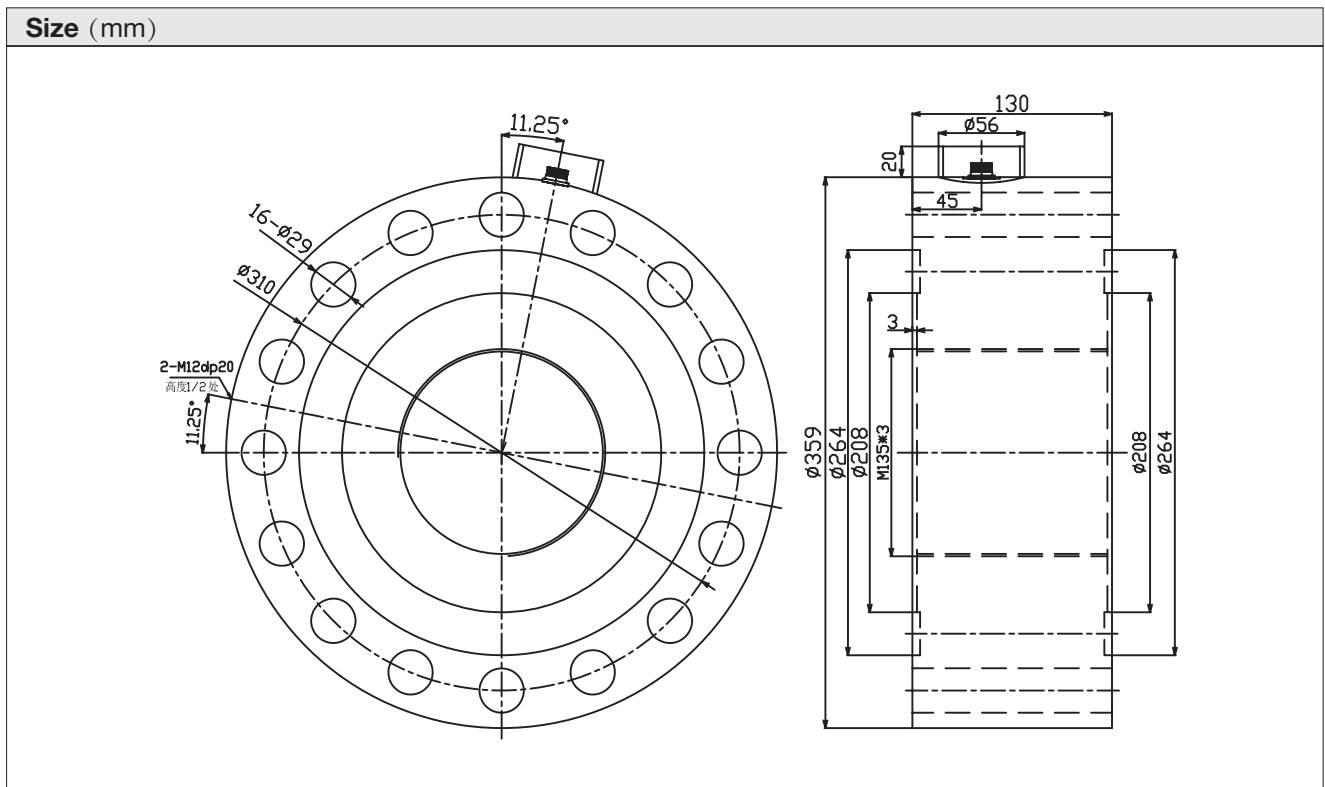
Application

- Suitable for tension and compression testing



Description

The spoke force sensor is a force sensor made of spoke elastic structure and shear stress principle. The LCF550 weighing sensor is a large-tonnage sensor for tension and compression. It has a circular design and has the advantages of good resistance to impact, lateral force and eccentric load. The range can be customized according to customer needs. Made of alloy steel, it has high comprehensive accuracy and good long-term stability.



LCF500 load cell

Specification		
Rated load	300	t
Rated output	2±0.2	mV/V
Zero balance	±0.2	%R.O.
Creep (after 30 minutes)	±0.03	%R.O.
Zero output	±5	
non-linearity	±0.1	%R.O.
Hysteresis	±0.1	%R.O.
Repeatability	±0.03	%R.O.
Normal operating temperature range	-10~+40	°C
Allowable operating temperature range	-20~+70	°C
Effect of temperature on zero point	±0.03	%R.O./10°C
Effect of temperature on sensitivity	±0.03	%R.O./10°C
Recommended excitation voltage	5-12	VDC
Input impedance	770±10	Ω
Output impedance	700±5	Ω
Insulation Resistance	≥5000 (50VDC)	MΩ
Safe overload	150	%R.C.
Limit overload	300	%R.C.
Material	Alloy steell	
Protection Class	IP66	
Cable length	13	m

Product specifications are subject to change without notice.

Wiring

