S-Type load cell

Features

- Range: 10kg…10t
- Bidirectional force measurement, tension and compression
- Simple structure, easy to install
- High overall accuracy, good long-term stability
- High-quality alloy steel, nickel-plated surface
- Protection level IP66

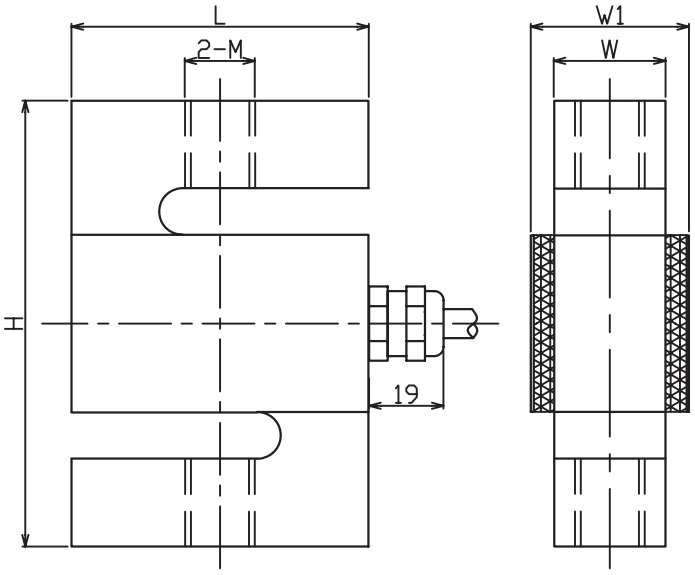
Application

- Electro mechanical combined scales
- Quantitative feeders
- Hopper scales, tank scales
- Belt scales, packaging scales
- Hook scales, forklift scales, crane scales
- Filling machines, batching weighing control
- Universal material testing machines
- Tension and pressure measurements

Description

The S-type sensor is named for its special shape. It is a weighing force sensor for both tension and compression. STC is made of 40CrNiMoA alloy steel. It has a high elastic limit and good proportional limit. The A indicates that it is a high-quality steel, a high-quality steel with lower impurity content than 40CrNiMo. After nickel plating, the corrosion resistance is more prominent, and the hardness and insulation are greatly improved.

Size (mm)



Rated load (kg)	L	H	W	W1	M
5 10 20 50	50.8	63.5	12.7	20	M8*1.25
100 200 500 750	50.8	76.2	19.1	27	M12*1.75
1t 1.5t	50.8	76.2	25.4		M12*1.75
2t 3t 5t	76.2	101.6	31.8		M20*1.5
7.5t 10t	118	142	56		M30*2

STC load cell

Specification		
Specification	Value	Unit
Rated load	5, 10, 20, 30, 50, 100, 200, 300, 500	kg
	1, 2, 3, 5, 7.5,10	t
Rated output	2	mV/V
Zero output	≤±2	%R.O.
Comprehensive Error	≤±0.02	%R.O.
Creep (after 30 minutes)	≤±0.02	%R.O.
Normal operating temperature range	-10~+40	℃
Allowable operating temperature range	-20~+70	℃
Effect of temperature on zero point	≤±0.02	%R.O./10℃
Effect of temperature on sensitivity	≤±0.02	%R.O./10℃
Recommended excitation voltage	5-12	VDC
Input impedance	380±10	Ω
Output impedance	350±3	Ω
Insulation Resistance	≥5000 (50VDC)	MΩ
Safe overload	150	%R.C.
Limit overload	200	%R.C.
Material	Alloy Steel	
Protection Class	IP67	
Cable length	5kg-1t: 3m 2t-5t: 6m 7.5t-10t: 10m	m

Product specifications are subject to change without notice.

Wiring