

STC S Type Load Cell

Applications

- Electro-mechanical scale conversions
- Hopper and tank weighing
- Conveyor Scale
- Tensile testing, force measuring applications
- Crane Scales (only with proper safety device for unexpected breakage of the load cells)

Features

- Rationalized output
- Bi-direction(tension/compression)
- Electroless nickel plated high alloy tool steel or stainless steel construction
- NTEP Class III 5,000S available from 250 lb to 20k lb for STC of alloy steel
- NTEP Class III 5,000S available from 25 lb to 25k lb for STR of alloy steel

Description

- S Type load cell as the name indicated can be easily identified by its S-shaped body. They can be loaded either in tension or compression, and used for single or multiple-cell application if the output is rationalized.
- STC is made of alloy or stainless steel and is NTEP approved.
- STC Interchangeable products:
 - Rice Lake Weighing Systems RL20001 HE
 - Sensortronics 60063

Specifications

Standard Capacity	200, 250, 300, 500, 750, 1K, 1.5K, 2K, 2.5K, 3K, 5K, 7.5K, 10K, 15K, 20K, 40K lb 25, 50, 75, 100, 250, 500, 750, 1000, 1500, 2000, 2500, 5000kg		
Recommended Excitation	10 V AC/DC	Compensated Temp. Range	-10°C to +40°C
Maximum Excitation	15 V AC/DC	Operating Temp. Range	-20°C to +60°C
Output at Rated Load	3 mV/V±10%	Zero Balance	±1%
Combined Error	0.02% (SS:0.03%)	Input Resistance	385±5Ω
Non Repeatability	0.01%	Output Resistance	350±3Ω
Creep (20 minutes)	0.03%	Insulation Resistance(50VDC)	>5000 MΩ
Zero Return (20 minutes)	0.03%	Deflection at Rated Load	<1 mm
Temp. Effect/10°C on Span	0.015%	Safe Overload	150%
Temp. Effect/10°C on Zero	0.026%	Ultimate Overload	300%

All Specifications Listed Subject To Change Without Notice