

STR 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 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.
- STR is available in alloy steel only and is NTEP approved.
- STR Interchangeable products:
 - Rice Lake Weighing Systems RL20001 HE
 - Sensortronics 60063

Specifications

Standard Capacity	25, 50, 75, 100, 150, 200, 250, 300, 500, 750, 1K, 1.5K, 2K, 2.5K, 3K, 5K, 10K, 15K, 20K lb		
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	<1mm
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