



PT4000 S-Type Tension/Compression

Description

3 mV/V (20kg~5t, 50lb~20klb Tool Steel) Standard S-Type for general scales.

The PT4000 S-Type tension load cell is available in both metric and imperial capacities. It has the largest capacity range of any of our load cells: 50lb to 20klb (UNF thread) in imperial and 20kg to 5t (Metric thread) in metric.

All capacities feature a 3mV/V output built into a rugged alloy tool steel design with low sensitivity to axial loads.

Ideal for mechanical scale conversions, material testing, bi-directional, level and inventory monitoring and a host of other applications.

Sealed to IP67 and accepting standard US/EEC fittings, the PT4000 comes with a full range of mounting accessories.

SPECIFICATIONS

Nominal Capacity 50lb ~ 20klb	Safe Load 150% of Rated Capacity
.. 20kg ~ 5t	Safe Sideload 100% of Rated Capacity
Signal output at capacity 3mV/V \pm 0.1%	Ultimate Load 300% of Rated Capacity
Linearity Error < 0.017% FSO	Input Resistance 415 Ω \pm 15 Ω
Non-Repeatability < 0.010% FSO	Output Resistance 352 Ω \pm 3 Ω
Combined Error < 0.023% FSO	Insulation Resistance > 5000 M Ω at 100V DC
Hysteresis < 0.020% FSO	Excitation Voltage 5 ~ 15V AC/DC
Creep/Zero Return(30 mins) FSO < 0.023% / 0.017%	(Recommen) 18V AC/DC
Zero Balance < 1.000% Capacity	Excitation Voltage -60 ~ 185°F / -50 ~ 85°C
Temperature Effect On < 0.010% FSO	(Maximum) 4.5mm, Screened, PUR
Span/10°C < 0.015% Capacity	Storage Temperature Sheath
Temperature Effect on 14 ~ 104°F / -10 ~ 40°C	Range 4 Core x 0.24mm ² (24
Zero/10°C 0 ~ 150°F / - 18 ~ 65°C	Cable Type AWG)
Compensated 100% of Rated Capacity	.. 20 Feet / 6 Metres
Temperature Range RED	Cable Length Alloy Tool Steel
Operating Temperature GREEN	Material Electroless Nickel
Range	Finish Plated
Service Load	Excitation -ve BLACK
Excitation +ve	Signal -ve WHITE
Signal +ve	