



+ Output (Tension)
- Output (Compression)

RoHS

Product Description

Flange Type Transducers are strain gauge based transducers designed for applications in tension and compression measurements. This is a low profile transducer with flanged ends on both ends. This type measures tensile and compressive loads up to 10kN with better than $\pm 0.25\%$ non-linearity.

Performance Specifications

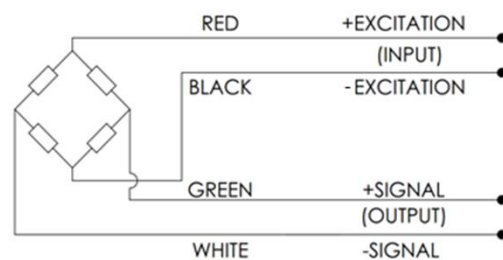
Parameter	Range	Notes
Capacity	1kN, 2kN, 5kN, 10kN	With metric threads as standard
Rated Output (RO)	1mV/V nom.	
Allowable maximum load	150% full scale	No effect on performance
Non-linearity	$\pm 0.25\%$ of RO MAX	
Hysteresis	$\pm 0.25\%$ of RO MAX	
Repeatability	$\pm 0.1\%$ of RO MAX	
Zero balance	$\pm 2\%$ of RO MAX	
Zero temp coefficient	0.02% FS / °C	
Span temp coefficient	0.02% load / °C	
Compensated temp range	-15 °C TO 70 °C	Wider range available to order
Operating temp range	-20 °C TO 80 °C	Wider range available to order
IP Rating	IP65	
Material	17-4 PH stainless steel	
Bridge resistance	700 ohm nom.	
Excitation	5-15V	

Wiring

These force sensors are provided with 4x28 AWG wiring within a braided shielded cable (overall cable length 2m).

6-wire cable is available to order

Connector with integrated TEDS chip is available to order



Flange Type Force Transducer Specification

Dimensions (mm)

