

**RoHS**

## Product Description

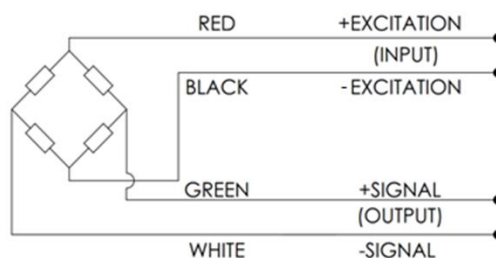
AILC2 Miniature Threaded In Line Load Cells are strain gauge based transducers with temperature compensation and excellent overall performance. This type measures tensile and compressive loads up to 5000N with better than  $\pm 0.25\%$  non-linearity.

## Performance Specifications

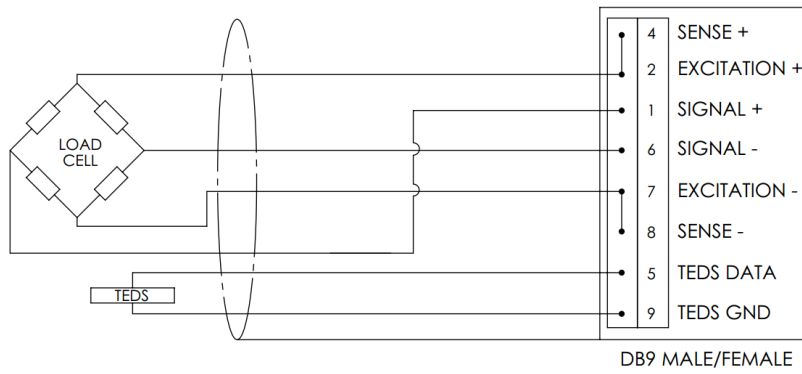
Parameter	Range	Notes
Capacity	200N, 500N, 1000N, 2000N & 5000N	With metric threads as standard
Rated Output (RO)	2mV/V nom.	
Allowable maximum load	150% full scale	No effect on performance
Non-linearity	$\pm 0.25\%$ of RO MAX	
Hysteresis	$\pm 0.25\%$ of RO MAX	
Repeatability	$\pm 0.1\%$ of RO MAX	
Zero balance	5% of RO MAX	
Zero temp coefficient	0.01% FS / °C	
Span temp coefficient	0.02% FS / °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	IP66	
Bridge resistance	1000 ohm nom.	

## Wiring

- The sensor is provided with a #32 AWG 4-conductor braided shielded cable with an outer jacket of 0.087" [2.2 mm] diameter, 5 ft [1.5m] long, with no connection between the shield and the sensor body. For additional protection, the cable is contained within a stainless steel spring for strain relief purposes for the first 1" [25 mm].



- Connector pin configuration as shown below (for the with-connector version)



## Dimensions (mm)

