



ECONOMICAL TENSION LOAD CELL FOR ACCURATE IN-LINE FORCE MEASUREMENT

TLL SERIES



CAPACITY RANGES:

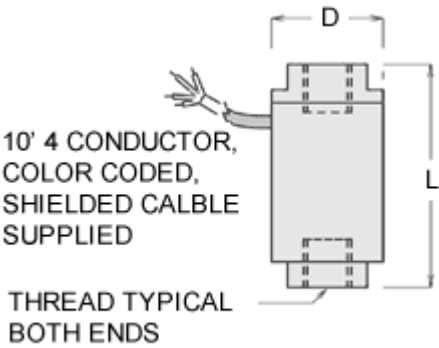
500, 1,000, 2,000, 3,000, lb

Our TLL Series load cells are offered as an economical method for accurately measuring in line tension forces. Best results are obtained when loaded through spherical rod end bearings or similar "universal" mechanical linkage. Ranges 500 through 3,000 lb are anodized aluminum. The TLL Series sensing areas and cable exit are moisture protected for semi-controlled environments.



Specifications

- Rated Output (R.O.): 2 mV/V nominal
- Nonlinearity: 0.25% of R.O.
- Hysteresis: 0.25% of R.O.
- Nonrepeatability: 0.1% of R.O.
- Zero Balance: 1.0% of R.O.
- Compensated Temp. Range: 60° to 160°F
- Safe Temp. Range: -65° to 200°F
- Temp. Effect on Output: 0.005% of Load/°F
- Temp. Effect on Zero: 0.005% of R.O./°F
- Terminal Resistance: 350 ohms nominal
- Excitation Voltage: 10 VDC
- Safe Overload: 150% of R.O.
- Deflection Inches: 0.003 @ R.O.



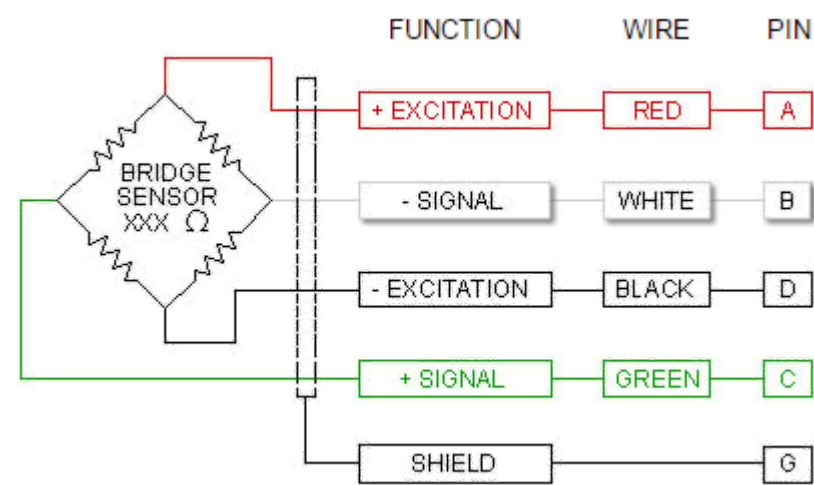
Dimensions in Inches

Model	Capacity lb	DIA.	L	Thread	Thread Depth	wt. oz
TLL-500	500	0.750	1.50	1/4-28 UNF	0.250	0.5
TLL-1K	1,000	0.875	1.75	3/8-24 UNF	0.375	0.6
TLL-2K	2,000	0.875	1.75	3/8-24 UNF	0.375	0.7
TLL-3K	3,000	1.250	2.00	1/2-20 UNF	0.500	1.0

Wiring Color Code (WCC1)

4 Conductor

Internal Temperature Compensation and Balance Network Not Shown



OPT-TEDS Plug & Play Option

AD9 (9 PIN "D" Series) Connector attached to the end of a Load Cell or Torque sensor cable with a TEDS (Transducer Electronic Data Sheet) EEPROM. Used with a Smart Plug & Play IEEE 1451.4 Compliant instrument, (shown on right), the Load Cell and Instrument will self calibrate. This option is a real time saver. Read additional article...

