

ECONOMICAL TENSION LOAD CELL FOR ACCURATE IN-LINE FORCE MEASUREMENT

TLL SERIES



CAPACITY RANGES:
500, 1,000, 2,000, 3,000,
5K, 10K, 20K, 30K, 50K LBS.

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 lbs. are anodized aluminum, and ranges 5,000 through 50,000 lbs. are manufactured from heat treated 17-4ph stainless steel. The TLL Series sensing areas and cable exit are moisture protected for semi-controlled environments.

CAPACITY RANGES:
500, 1,000, 2,000,
3,000 LBS.



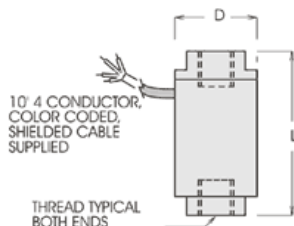
CAPACITY RANGES:
5K, 10K, 20K, 30K,
50K LBS.

Options available with TLL=5K thru TLL-50K only
PTB - Connector twist lock (PT02A-10-6p)

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
TLL-500 thru TLL-3K: 0.003 inches
TLL-5K thru TLL-50K: 0.005 inches

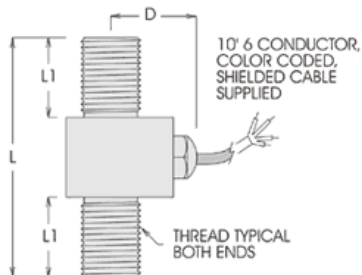


DIMENSIONS (INCHES)

MODEL	CAPACITY LBS.	DIA.	L	THREAD	THREAD DEPTH	WT. OZS.
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

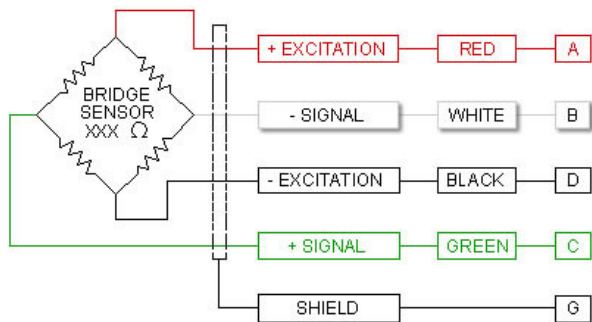
DIMENSIONS (INCHES)

MODEL	CAPACITY LBS.	L	L1	D	THREAD	WT. OZS.
TLL-5K	5,000	3.50	1.125	1.500	3/4-16 UNF	8
TLL-10K	10,000	3.50	1.125	1.500	3/4-16 UNF	8
TLL-20K	20,000	3.75	1.250	1.600	1-14 UNS	14
TLL-30K	30,000	4.25	1.500	1.700	1 1/4-12 UNF	24
TLL-50K	50,000	5.00	1.875	1.825	1 1/2-12 UNF	40



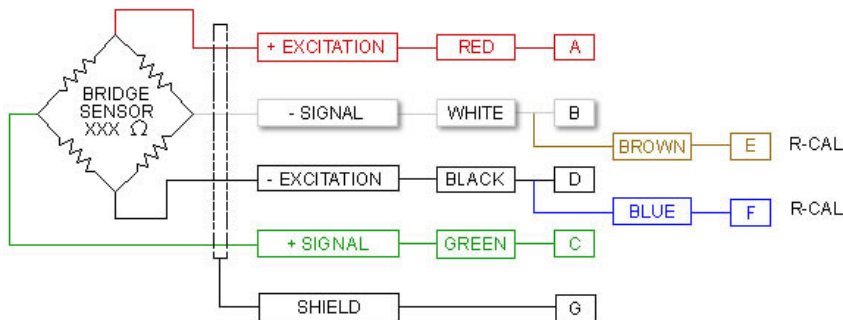
Wiring Color Code (WCC1) 4 Conductor

Internal Temperature Compensation and Balance Network Not Shown



Wiring Color Code (WCC2) 6 Conductor TLL-5K through 50K with option PTB

Internal Temperature Compensation and Balance Network Not Shown



CAL-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 Electric Data Sheet) EPPROM. 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.

>> [Learn more about Plug & Play Smart Sensors](#)



SSI LOAD CELL DISPLAY
 SMART PLUG & PLAY HAND-HELD INDICATOR WITH DATA LOGGING
 IEEE 1451.4 COMPLIANT
 \$675

>> [More info](#)



DPM-3 LOAD CELL DISPLAY
 SMART PLUG & PLAY DIGITAL PANEL MOUNT LOAD CELL METER
 IEEE 1451.4 COMPLIANT
 \$395

>> [More info](#)

Order Code Model	Capacity Range	Description	Price	Quantity	Add to Cart
TLL-500	Capacity: 500 lbs	Tension Load Cell	\$265	1	Buy Now
TLL-1K	Capacity: 1,000 lbs	Tension Load Cell	\$265	1	Buy Now
TLL-2K	Capacity: 2,000 lbs	Tension Load Cell	\$265	1	Buy Now
TLL-3K	Capacity: 3,000 lbs	Tension Load Cell	\$265	1	Buy Now
TLL-5K	Capacity: 5,000 lbs	Tension Load Cell	\$425	1	Buy Now
TLL-10K	Capacity: 10,000 lbs	Tension Load Cell	\$425	1	Buy Now
TLL-20K	Capacity: 20,000 lbs	Tension Load Cell	\$525	1	Buy Now
TLL-30K	Capacity: 30,000 lbs	Tension Load Cell	\$625	1	Buy Now

TLL-50K	Capacity: 50,000 lbs	Tension Load Cell	\$655	1	Buy Now
TLL-5K-PTB	Capacity: 5,000 lbs	Connector Twist Lock Option	\$460	1	Buy Now
TLL-10K-PTB	Capacity: 10,000 lbs	Connector Twist Lock Option	\$460	1	Buy Now
TLL-20K-PTB	Capacity: 20,000 lbs	Connector Twist Lock Option	\$560	1	Buy Now
TLL-30K-PTB	Capacity: 30,000 lbs	Connector Twist Lock Option	\$660	1	Buy Now
TLL-50K-PTB	Capacity: 50,000 lbs	Connector Twist Lock Option	\$690	1	Buy Now
Options					
CAL-TEDS	N/A	Plug & Play Option with Connector	\$55	1	Buy Now
AMP-T6	N/A	Mating Assembly 6 Cond	\$60	1	Buy Now

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800-344-3965



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