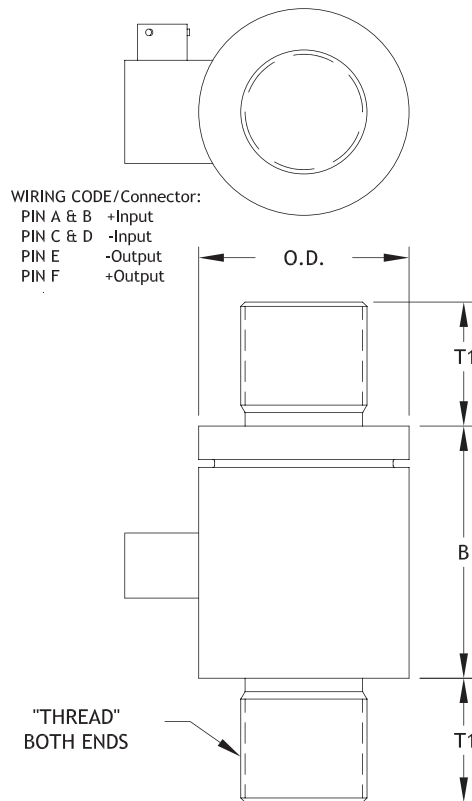


Rod End Tension Load Cell

Model XLRM



All dimensions are in inches, unless otherwise noted. Also available in metric units.

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)	
EXCITATION	10 VDC, 15 VDC max
OUTPUT	2.0 mV/V
BRIDGE RESISTANCE	350 Ohms
LINEARITY	
50K lbs & below	±0.15% FSO
75K lbs & above	±0.2% FSO
HYSTERESIS	
50K lbs & below	±0.15% FSO
75K lbs & above	±0.2% FSO
REPEATABILITY	±0.05% FSO
ZERO BALANCE	±1.0% FSO
OPERATING TEMP RANGE	-65 to +250°F (-54 to +121°C)
COMPENSATED TEMP RANGE	+60 to +160°F (+15 to +71°C)
THERMAL EFFECTS	
on Zero	±0.005% FSO/°F
on Span	±0.005% Reading/°F
SAFE OVERLOAD	150% of Capacity
CONNECTOR	MS3102E-14S-6P (>50k) PTIH-10-6P (≤50K)
MATERIAL	Stainless Steel
CALIBRATION	Positive in Tension

Capacity (lbs)	OD	B
2,000 - 5,000	1.5	2.6
7,500 - 20,000 (1 1/4 THD)	1.75	2.6
7,500 - 20,000 (1 1/2 THD)	2.5	3.05
30,000 - 50,000	2.5	3.05
75,000 - 150,000	3.5	3.05
250,000	4.5	5.5
350,000	5.0	5.5
500,000	5.5	5.75
750,000	6.63	5.5

Ranges (lbs)	Thread	Thread Code	T1
0-2,000 to 0-15,000	3/4-16 UNF	0750	.95
0-2,000 to 0-20,000	7/8-14 UNF	0875	.95
0-7,500 to 0-20,000	1-14 UNF	1000	1.25
0-7,500 to 0-50,000	1 1/2-12 UNF	1500	1.5
0-75,000 to 0-150,000	2 1/2-12 UNF	2500	3.0
0 - 250,000	3 1/2-8 UN	3500	4.0
0 - 350,000	4-8 UN	4000	4.5
0 - 500,000	4-12 UN	400B	5
0 - 750,000	6-8 UN	6000	6.75



max.
750,000
lbs



Measuring ranges

- 0-2,000 to 0-750,000 lbs



Features

- Tension/Compression
- Male/Male Threaded Connections
- Very High Capacities Available
- Rugged Design
- Hermetically Sealed
- Stainless Steel Construction



Options

- Built-In Amplifier
- Integral Cable
- Extended Compensated Temperature Range
- Bridge Resistance
- Thread Size
- Connector Guard



Drawing

- 99-2788-0000

How to order

Note: not all combinations are possible, see chart

