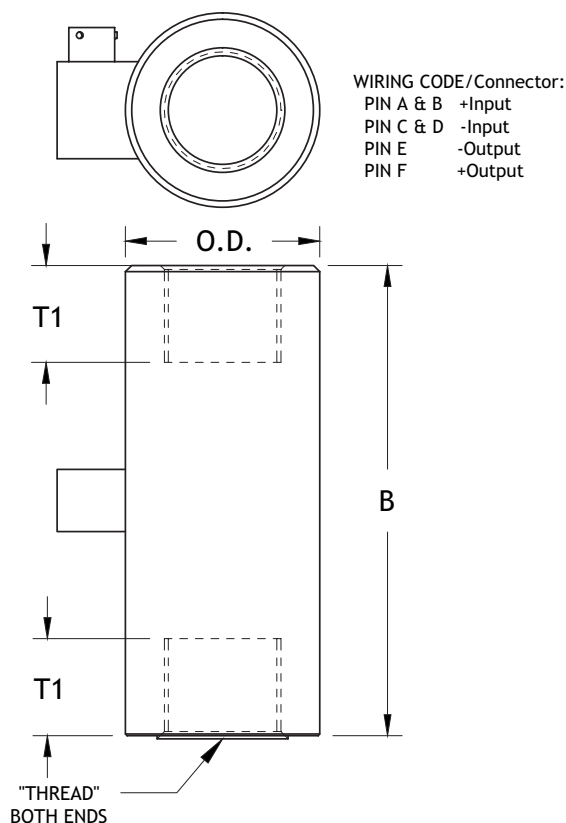


Rod End Tension Load Cell

Model XLRF

Force



max.
200,000
lbs



Measuring ranges

- 0-2,000 to 0-200,000 lbs



Features

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



Options

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



Drawing

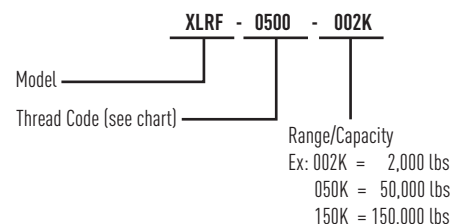
- 99-3354-0000

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

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)		Capacity (lbs)	OD	B
EXCITATION	10 VDC, 15 VDC max	2,000 - 5,000	1.5	4.25
OUTPUT	2.0 mV/V	7,500 - 20,000 (1 1/4 THD)	1.75	2.6
BRIDGE RESISTANCE	350 Ohms	7,500 - 20,000 (1 1/2 THD)	2.5	3.05
LINEARITY	±0.2% FSO (±0.15% FSO for 2K-50K lbs)	30,000 - 50,000	2.5	7.00
HYSTERESIS	±0.2% FSO (±0.15% FSO for 2K-50K lbs)	75,000 - 100,000	4.5	13.50
REPEATABILITY	±0.05% FSO	150,000 - 200,000	5.5	18.00
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			

How to order

Note: not all combinations are possible, see chart



Thread	Thread Code	T1	Capacities for available given thread sizes															
			2,000	3,000	4,000	5,000	7,000	10,000	15,000	20,000	30,000	50,000	75,000	100,000	150,000	200,000		
1/2-20 UNF	0500	.75	x	x	x	x												
3/4-16 UNF	0750	.95	x	x	x	x	x	x	x									
7/8-14 UNF	0875	.95					x	x	x	x								
1-14 UNF	1000	1.0					x	x	x	x								
1 1/2-12 UNF	1500	1.5					x	x	x	x	x							
2 1/2-12 UNF	2500	3.5													x	x		
3 1/2-8 UN	3500	4.5															x	x