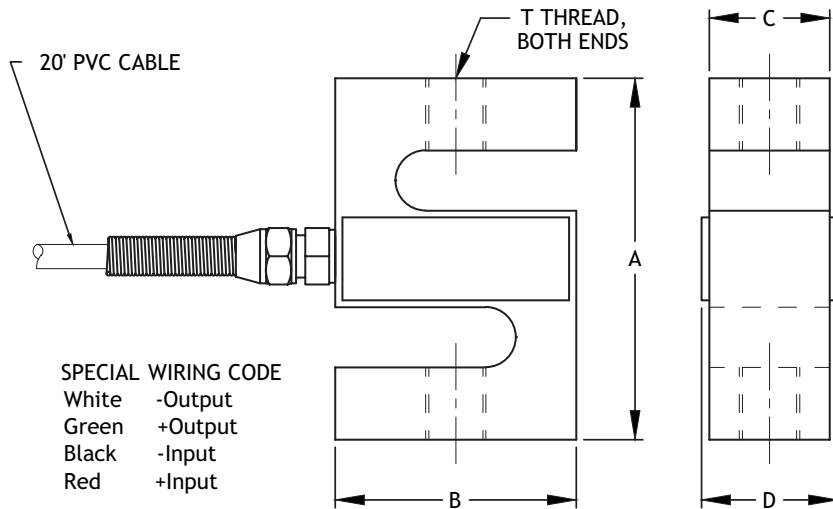


OEM S-Type

Model XLSR

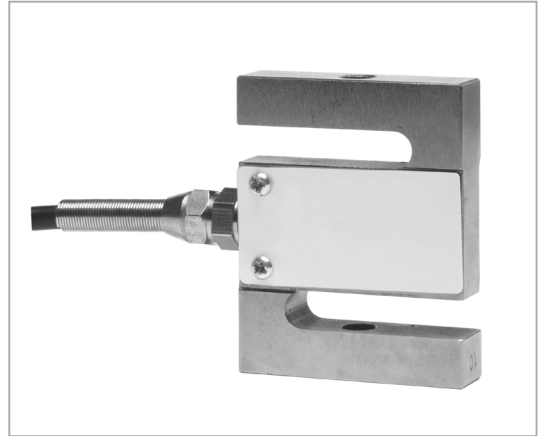
Force



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



max.
20,000
lbs


Measuring ranges

- 0-50 to 0-20,000 lbs

Features

- High Accuracy
- Stainless Steel Construction
- For Measuring Bidirectional Forces
- Economically Priced for OEM Application

Options

- Inline Amplifier
- Cable Length
- Bridge Resistance

Drawing

- 99-2942-0000

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)		Capacity (lbs)	Ordering Example				
EXCITATION	10 VDC, 15 VDC max	50	XLSR-0050				
OUTPUT	2.7/3.3 mV/V	100	XLSR-0100				
BRIDGE RESISTANCE	390±15 Ohms (input)	200	XLSR-0200				
	350±3.5 Ohms (output)	500	XLSR-0500				
LINEARITY & HYSTERESIS	±0.02% FSO Combined (±0.03% for 50 lbs)	1,000	XLSR-001K				
		2,000	XLSR-002K				
REPEATABILITY	±0.01% FSO	5,000	XLSR-005K				
ZERO BALANCE	±1% FSO	10,000	XLSR-010K				
OPERATING TEMP RANGE	-65 to +200°F						
COMPENSATED TEMP RANGE	+14 to +104°F						
THERMAL EFFECTS		Ranges (lbs)	A	B	C	D	T
on Zero	±0.0015% FSO/°F	0-50 to 0-300	2.40	2.00	.46	.63	1/4-28UNF-2B
on Span	±0.0008% Reading/°F	0-500 to 0-1,500	2.40	2.00	.71	.88	1/2-20UNF-2B
SAFE OVERLOAD	150% of Capacity	0-2,000	2.40	2.00	.96	1.13	1/2-20UNF-2B
ULTIMATE OVERLOAD	300% of Capacity	0-3,000	3.40	3.00	.96	1.13	1/2-20UNF-2B
CASING MATERIAL	17-4 PH Stainless Steel	0-5,000	3.40	3.00	.96	1.13	3/4-16UNF-2B
INSULATION RESISTANCE	5 Gohms at 50 VDC	0-10,000	3.90	2.94	1.21	1.63	3/4-16UNF-2B
STANDARD CALIBRATION	Positive in Tension	0-15,000	5.50	3.44	1.46	1.43	1-14UNF-2B
		0-20,000	7.00	4.44	1.69	1.86	1 1/4-12UNF-2B