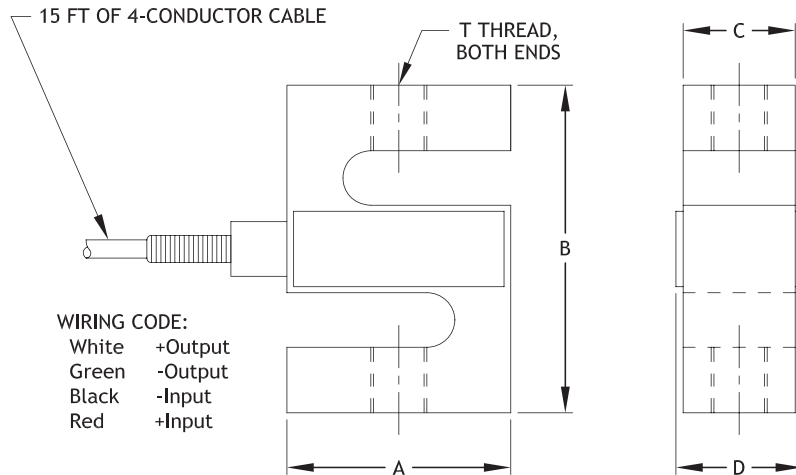


S-Type Load Cell

Model XLSA/XLSS

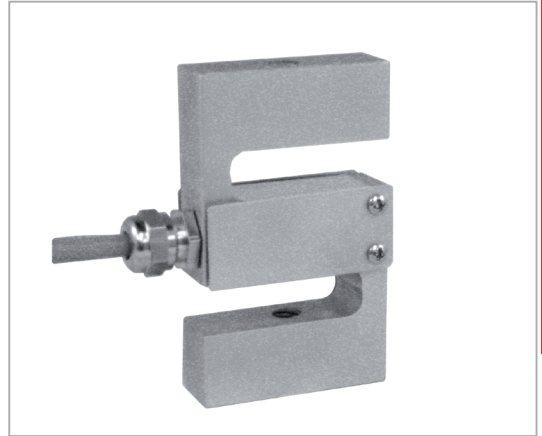
Force



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



max.
40,000
lbs

**Measuring ranges**

- 0-25 to 0-40,000 lbs

**Features**

- High Accuracy
- Stainless or Aluminum
- Calibrated Output/ Interchangeable

**Options**

- Inline Amplifier
- Cable Length
- Bridge Resistance

**Drawing**

- 99-2766-0000

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)

LOAD RANGES	
XLSA	25 to 1,000 lbs
XLSS	25 to 40,000 lbs
EXCITATION	10 VDC, 15 VDC max
OUTPUT	3 mV/V ± 0.0075 mV/V
BRIDGE RESISTANCE	350 Ohms
LINEARITY	$\pm 0.03\%$ FSO
HYSTERESIS	$\pm 0.02\%$ FSO
REPEATABILITY	$\pm 0.01\%$ FSO
ZERO BALANCE	$\pm 1\%$ FSO
OPERATING TEMP RANGE	-40 to +200°F (-40 to +93°C)
COMPENSATED TEMP RANGE	+60 to +160°F (+15 to +71°C)
THERMAL EFFECTS	
on Zero	$\pm 0.0013\%$ FSO/°F
on Span	$\pm 0.0008\%$ Reading/°F
SAFE OVERLOAD	150% of Capacity
ULTIMATE OVERLOAD	300% of Capacity
CASING MATERIAL	
XLSA	Aluminum
XLSS	Stainless Steel
STANDARD CALIBRATION	Positive in Tension

Capacity (lbs)	Ordering Example	Material
25	XLSA-0025	AL
250	XLSS-0250	SST
1,000	XLSA-001K	AL
30,000	XLSS-030K	SST

Ranges (lbs)	A	B	C	D	T
0-25 to 0-200	1.5	2.5	.50	.75	1/4-28UNF
0-250 to 0-2,000	2.0	3.0	1.0	1.25	1/2-20UNF
0-3,000 to 0-5,000	2.5	3.5	1.0	1.25	5/8-18UNF
0-10,000 to 0-20,000	3.0	4.3	1.5	1.75	1-14UNS
0-25,000 to 0-30,000	4.0	4.3	2.0	2.25	1-14UNS
0-40,000	4.0	5.5	3.0	3.25	1 1/4-12UNF