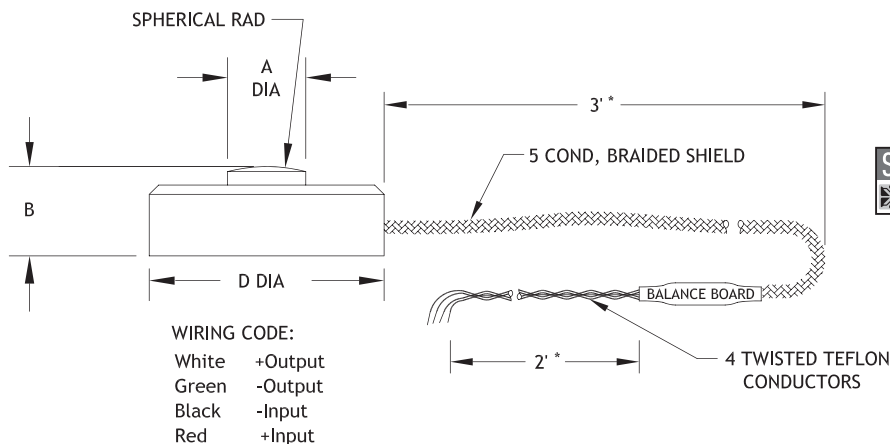


Subminiature Compression Load Cell

Model XLC86



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

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)

EXCITATION	5 VDC
OUTPUT	
50 to 150g	0.1 mV/V/g
250 to 500g	10 mV/V
1000g	1.0 mV/V
5 to 1000lb	2 mV/V Nominal
LINEARITY	
50 to 500g	±1.00% FSO
1000g to 1000lb	±1.00% FSO
HYSTERESIS	
50 to 500g	±0.50% FSO
1000g to 1000lb	±0.50% FSO
REPEATABILITY	±0.10% FSO
ZERO BALANCE	±2% FSO
OPERATING TEMP RANGE	-65 to +250°F (-54 to +121°C)
COMPENSATED TEMP RANGE	+65 to +160°F (+15 to +71°C)
THERMAL EFFECTS	
on Zero	±0.01% FSO/°F
on Span	±0.02% Reading/°F
SAFE OVERLOAD	150% of Capacity
ULTIMATE OVERLOAD	300% of Capacity
BRIDGE RESISTANCE	
50 to 500g	500 Ohms (semiconductor)
1000g to 1000lb	350 Ohms (foil)
CASING MATERIAL	Stainless Steel

Capacity (gram/lbs)	Ordering Example
50 grams	XLC86-050G
1,000 grams	XLC86-01KG
10 lbs	XLC86-0010
250 lbs	XLC86-0250
1,000 lbs	XLC86-001K

Ranges (gram/lbs)	D	A	B
0-50 to 0-500 grams	.38	.09	.13
0-1,000 grams to 0-50 lbs	.38	.09	.13
0-100 to 0-250 lbs	.50	.12	.15
0-500 to 0-1,000 lbs	.75	.25	.25



max.
1,000
lbs



Force



Measuring ranges

- 0-50 g to 0-1,000 lbs



Features

- Very Small Size
- 1.00% Accuracy
- Ease of Installation



Options

- Overload Protection
- Extended Compensated Temperature Range
- Inline Amplifier
- Cable Length



Drawing

- 99-2634-0000