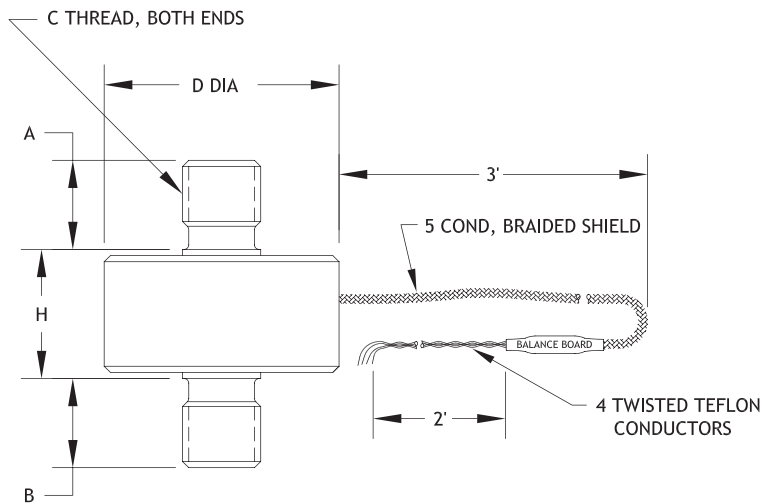


Subminiature Universal Load Cell

Model XLUS88



WIRING CODE:

White	+Output
Green	-Output
Black	-Input
Red	+Input

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

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)		Capacity (gram/lbs)	Ordering Example
EXCITATION	5 VDC	150 grams	XLUS88-150G
OUTPUT		1,000 grams	XLUS88-01KG
150g to 500g	10 mV/V	50 lbs	XLUS88-0050
1,000g	1.5 mV/V	1,000 lbs	XLUS88-001K
2,000g to 1,000lb	2 mV/V		
BRIDGE RESISTANCE			
150g to 500g	500 Ohms (semiconductor)		
1,000g to 1,000lb	350 Ohms (foil)		
LINEARITY	±0.50% FSO		
HYSTERESIS	±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	+60 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		
CASING MATERIAL	Stainless Steel		
STANDARD CALIBRATION	Positive in Tension		

Ranges (gram/lbs)	D	H	A	B	C
0-150 to 0-500 grams	.50	.29	.19	.18	4-40UNC
0-1,000 grams to 0-100 lbs	.50	.29	.19	.18	4-40UNC
0-250 to 0-1,000 lbs	.75	.38	.31	.31	1/4-28UNF



max.
1,000
lbs



Measuring ranges

- 0-150 g to 0-1,000 lbs



Features

- Very Small Size
- Tension/Compression
- Stainless Construction



Options

- Cable Length
- Metric Threads
- Inline Amplifier



Drawing

- 99-2624-0000