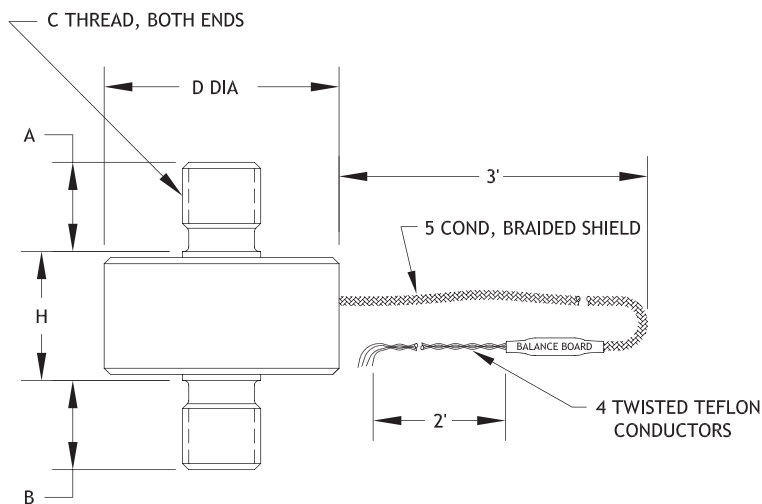


Subminiature Universal Load Cell

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