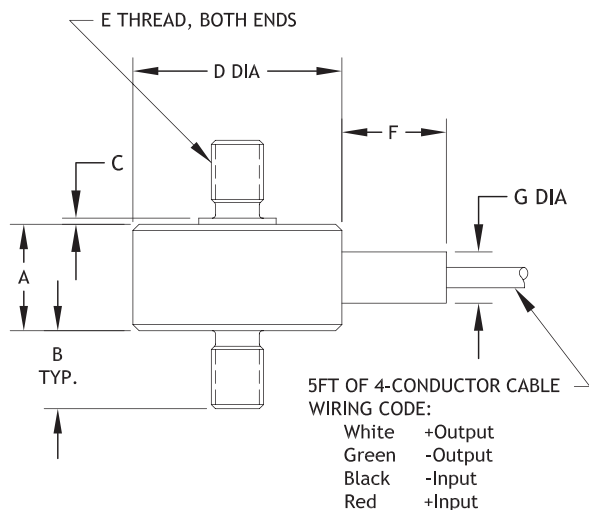


## Miniature Universal Load Cell

Model XLU68f

Force



\* Load cells 1kg - 10lbs have small balance board in cable

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
<b>EXCITATION</b>		1,000 grams	XLU68f-01KG
1,000g to 10lb	5 VDC	10 lbs	XLU68f-0010
20lb to 10,000lb	10 VDC	250 lbs	XLU68f-0250
<b>OUTPUT</b>		1,000 lbs	XLU68f-001K
1,000g	1.5 mV/V Nominal	7,500 lbs	XLU68f-07K5
5lb to 10,000lb	2 mV/V		
<b>BRIDGE RESISTANCE</b>	350 Ohms (foil)		
<b>LINEARITY &amp; HYSTERESIS</b>			
1,000g to 250lb	±0.15% FSO, Combined		
500lb to 10,000lb	±0.20% FSO, Combined		
<b>REPEATABILITY</b>			
1,000g	±0.10% FSO		
5lb to 10,000lb	±0.05% FSO		
<b>ZERO BALANCE</b>	±2% FSO		
<b>OPERATING TEMP RANGE</b>	-65 to +250°F (-54 to +121°C)		
<b>COMPENSATED TEMP RANGE</b>	+60 to +160°F (+15 to +71°C)		
<b>THERMAL EFFECTS</b>			
on Zero	±0.005% FSO/°F		
on Span	±0.005% Reading/°F		
<b>SAFE OVERLOAD</b>	150% of Capacity		
<b>ULTIMATE OVERLOAD</b>	300% of Capacity		
<b>CASING MATERIAL</b>	Stainless Steel		
<b>STANDARD CALIBRATION</b>	Positive in Tension		

Ranges (gram/lbs)	D	A	B	C	E	F	G
0-1,000 grams to 0-10 lbs	.75	.45	.25	.05	6-32UNC	.31	.19
0-25 to 0-100 lbs	1.00	.52	.25	.03	10-32UNF	.50	.25
0-250 to 0-1,000 lbs	1.00	.52	.38	.03	1/4-28UNF	.50	.25
0-2,000 to 0-3,000 lbs	1.00	.72	.50	.03	3/8-24UNF	.50	.25
0-4,000 to 0-5,000 lbs	1.25	.94	.63	.03	1/2-20UNF	.50	.38
0-7,500 to 0-10,000 lbs	1.38	1.10	.88	.03	3/4-16UNF	.50	.38



max.  
10,000  
lbs

**Measuring ranges**

- 0-1,000 g to 0-10,000 lbs

**Features**

- Small Size
- Tension/Compression
- 0.25% Accuracy
- Welded Stainless Construction

**Options**

- Metric Threads
- Extended Compensated Temperature Range
- Inline Amplifier
- Underwater Cable
- Bridge Resistance
- Cable Length

**Drawing**

- 99-2502-0000