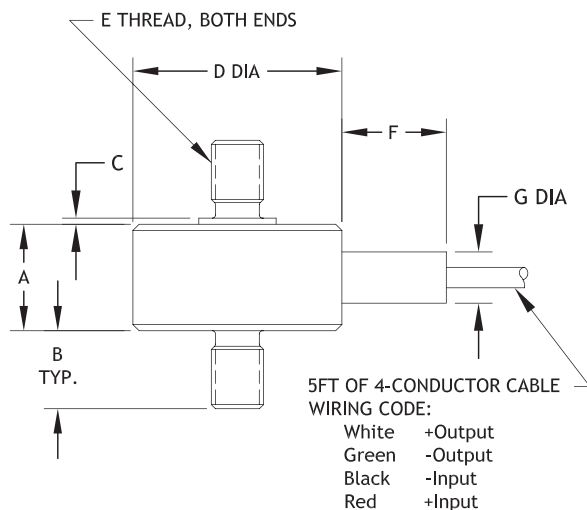


Miniature Universal Load Cell

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)

EXCITATION	
1,000g to 10lb	5 VDC
20lb to 10,000lb	10 VDC
OUTPUT	
1,000g	1.5 mV/V Nominal
5lb to 10,000lb	2 mV/V
BRIDGE RESISTANCE	350 Ohms (foil)
LINEARITY & HYSTERESIS	
1,000g to 250lb	±0.15% FSO, Combined
500lb to 10,000lb	±0.20% FSO, Combined
REPEATABILITY	
1,000g	±0.10% FSO
5lb to 10,000lb	±0.05% 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	±0.005% FSO/°F
on Span	±0.005% Reading/°F
SAFE OVERLOAD	150% of Capacity
ULTIMATE OVERLOAD	300% of Capacity
CASING MATERIAL	Stainless Steel
STANDARD CALIBRATION	Positive in Tension

Capacity (gram/lbs)	Ordering Example
1,000 grams	XLU68f-01KG
10 lbs	XLU68f-0010
250 lbs	XLU68f-0250
1,000 lbs	XLU68f-001K
7,500 lbs	XLU68f-07K5

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