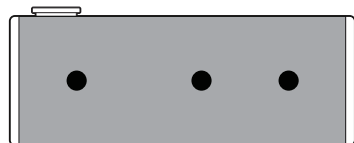
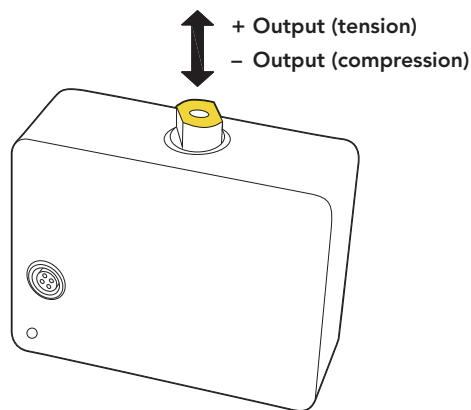




FEATURES

- High accuracy
- Overload protection
- For use in both tension and compression
- Integrated connector, detachable cable available

Active end



Fixed end

SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.05% of RO
Hysteresis	±0.05% of RO
Nonrepeatability	±0.05% of RO
Creep	±0.05% of Load

ELECTRICAL

Rated Output (RO)	2 mV/V nom
Excitation (VDC or VAC)	18 max
Bridge Resistance	1000 Ohm nom
Insulation Resistance	≥500 Mohm @ 50 VDC
Connection	4 Pin LEMO Receptacle
Connector Code	CC4

MECHANICAL

Weight (approximate)	5 oz [140 g]
Safe Overload	See chart on next page
Material	Aluminum, Red Anodized (Housing)
IP Rating	IP40

TEMPERATURE

Operating Temperature	-60 to 200°F [-50 to 93°C]
Compensated Temperature	60 to 160°F [15 to 71°C]
Temperature Shift Zero	±0.005% of RO/°F [0.01% of RO/°C]
Temperature Shift Span	±0.005% of Load/°F [0.01% of Load/°C]

CALIBRATION

Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt compression
Calibration (available)	Tension and Compression
Shunt Calibration Value	150 kOhm

DIMENSIONS inches [mm]

Technical drawing of the LRF400 adapter showing top and side views with dimensions and callouts.

Top View Dimensions:

- Overall width: 2.58 [65.4]
- Distance from left edge to center of hole: 1.43 [36.3]
- Distance from left edge to center of hole (alternative): 0.48 [12.2]
- Distance from left edge to center of hole (alternative): 0.96 [24.4]
- Distance from left edge to center of hole (alternative): 0.32 [8.1]

Side View Dimensions:

- Overall height: 0.20 [5.1]
- Distance from bottom edge to center of hole: 0.27 [6.9]
- Distance from bottom edge to center of hole (alternative): 0.31 [7.9] FLAT

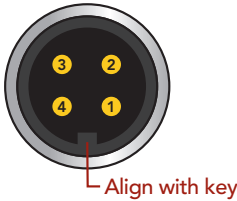
Callouts:

- ADAPTER MATERIAL ALUMINUM (0.25 lb to 1 lb) S.S. (2.2 lb to 100 lb)
- #10-32 UNF-2B X 0.38 [9.7] DEEP
- *ORIENTATION OF FLATS MAY VARY

CAPACITIES

ITEM #	lb	N	Safe Overload (lb)	Deflection (in)	Natural Frequency (Hz)
FSH00259	0.25	1.1	50	0.0024	220
FSH00260	0.50	2.2	50	0.0014	390
FSH00261	1	4.5	50	0.0043	320
FSH00262	2.2	9.8	250	0.0040	320
FSH00263	5	22.2	250	0.0049	430
FSH00264	10	44.5	250	0.0046	630
FSH00265	25	111	250	0.0046	990
FSH00266	50	222	250	0.0044	1430
FSH00267	100	445	250	0.0048	1930

LEMO 4-PIN (CC4)		
PIN	COLOR	DESCRIPTION
1	Red	+ Excitation
2	Green	+ Signal
3	White	- Signal
4	Black	- Excitation



Drawing Number: FI1040-E

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