

Entran ELF-250-1000/380

Subminiature Button Shaped Load Cell



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\$295.00

In Stock

Qty Available: 2

Used and in Excellent Condition

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ELFM & ELFS

Subminiature Button Shaped Load Cells

The ELFM & ELFS Subminiature Load Cells are a feat of engineering design. The ELFM comes in diameters down to 0.375" (9.5mm) and employs miniature metallic foil strain sensors for excellent stability and accuracy. The ELFS series utilizes micro-miniature semiconductor strain sensing elements for unamplified output signals up to 250mV full scale. Both sensors are fabricated from stainless steel for long lasting use.

[Click here for the complete ELFM Series page](#)

[Click here for the complete ELFS Series page](#)

RANGE "FS"		RANGE "FS"		OUTPUT "FSO"	
Pound Models	(Note 1)	Newton Models	(Note 1)	OVERRANGE	(nom.)
ELFM-B1-5L	5 Lb	ELFM-B1-25N	25 N	2x FS	2mV/V
ELFM-B1-25L	25 Lb	ELFM-B1-125N	125 N	1.5x FS	2mV/V
ELFM-B2-100L	100 Lb	ELFM-B2-500N	500 N	1.2x FS	2mV/V
ELFS-B3-2L	2 Lb	ELFS-B3-10N	10 N	2x FS	100 mV
ELFS-B3-5L	5 Lb	ELFS-B3-25N	25 N	2x FS	200 mV
ELFS-B3-10L	10 Lb	ELFS-B3-50N	50 N	1.5x FS	250 mV
ELFS-B3-20L	20 Lb	ELFS-B3-100N	100 N	1.5x FS	250 mV
ELFS-B3-50L	50 Lb	ELFS-B3-250N	250 N	1.5x FS	250 mV
ELFS-B4-100L	100 Lb	ELFS-B3-500N	500 N	1.2x FS	250 mV

EXCITATION:	ELFM: 5VDC	ELFS: 15VDC
SENSING TECHNOLOGY:	ELFM: Metallic Foil	ELFS: Semiconductor
BRIDGE IMPEDANCE:	ELFM: 350 Ω	ELFS: 1000 Ω nom.
INPUT IMPEDANCE:		ELFS: 2000 Ω nom.
NON-LINEARITY:	ELFM: $\pm 0.25\%$ FS	ELFS: $\pm 1\%$ FS
HYSTERESIS:	ELFM: $\pm 0.25\%$ FS	ELFS: $\pm 1\%$ FS
DEFLECTION AT FS typ.:	ELFM: $< 0.003"$	ELFS: < 0.0005
THERMAL ZERO SHIFT:	ELFM: $\pm 0.01\%/^{\circ}\text{F}$	ELFS: $\pm 2.5\text{mV}/100^{\circ}\text{F}$
THERMAL SENSITIVITY SHIFT:	ELFM: $\pm 0.01\%/^{\circ}\text{F}$	ELFS: $\pm 2.5\%$ FS/ 100°F
OPERATING TEMPERATURE:	ELFM: -65 to 250°F	ELFS: -40 to 250°F
COMPENSATED TEMP.:	ELFM: 60 to 160°F	ELFS: 70 to 170°F
ZERO OFFSET AT 70°F (20°C):	ELFM: $\pm 2\%$ FS typ.	ELFS: $\pm 15\text{mV}$ typ.

Notes: ¹ Must be loaded perpendicular and on center, distributed over the loading surface.

SPECIFICATION NO.	ISSUE
ELFMS001U	WSC0/WSC0
ELFSS001U	WSC0/WSC0

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