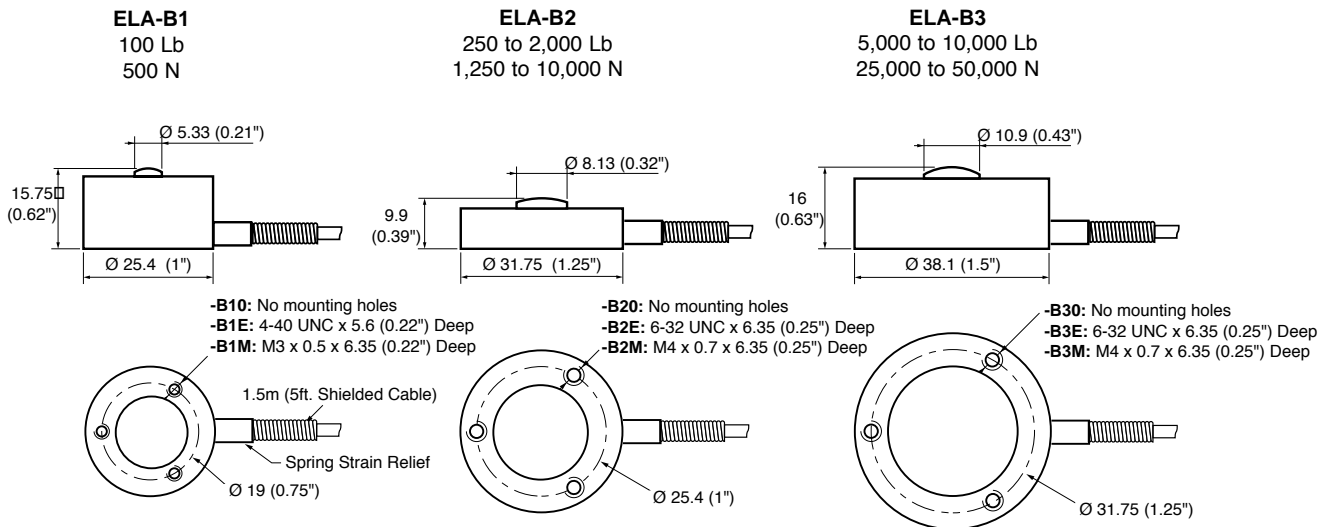




# ELA Series Load Cells

## Low Cost - Compact Size

### ELA Series Bodies



Dim: mm (inches)

### ELA Series

BODY STYLES	Lb RANGES "FS"	N RANGES "FS"	OVERRANGE LIMIT	OUTPUT "FSO" nom.
ELA-B1	100	500	1.5x FS	2 mV/V
ELA-B2	250	1250	1.5x FS	2 mV/V
ELA-B2	500	2500	1.5x FS	2 mV/V
ELA-B2	1000	5000	1.5x FS	2 mV/V
ELA-B2	2000	10000	1.5x FS	2 mV/V
ELA-B3	5000	25000	1.5x FS	2 mV/V
ELA-B3	10000	50000	1.5x FS	2 mV/V

<b>EXCITATION:</b>	10VDC
<b>BRIDGE IMPEDANCE:</b>	350 Ω
<b>SENSING TECHNOLOGY:</b>	Metallic Foil
<b>NON-LINEARITY:</b>	±0.25%FSO
<b>HYSTERESIS:</b>	±0.25%FSO
<b>DEFLECTION AT "FS":</b>	0.025 to 0.075mm (0.001 to 0.003") nom.
<b>THERMAL ZERO SHIFT:</b>	0.01%FSO/°C (0.005%FSO/°F)
<b>THERMAL SENSITIVITY SHIFT (TSS):</b>	0.02%/°C (0.01%/°F)
<b>OPERATING TEMPERATURE:</b>	-50°C to 120°C (-65°F to 250°F)
<b>COMPENSATED TEMPERATURE:</b>	15°C to 70°C (60°F to 160°F)
<b>ZERO OFFSET AT 20°C (70°F):</b>	±2%FSO typ.
<b>MODE:</b>	Compression (+Signal Output for Compression)
<b>CALIBRATION:</b>	Compression
<b>BODY MATERIAL:</b>	Stainless Steel

■ "Off-the-Shelf" Stocking Program

# Entran®



www.entran.com

### ELA LOAD CELLS Low Cost Compact Size

**Entran Sensors & Electronics**

USA: Fairfield, NJ  
UK: Garston, Watford, Herts, England  
Europe: Les Clayes-sous-Bois, France

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# ELA specifications continued ...

## Options and Accessories:

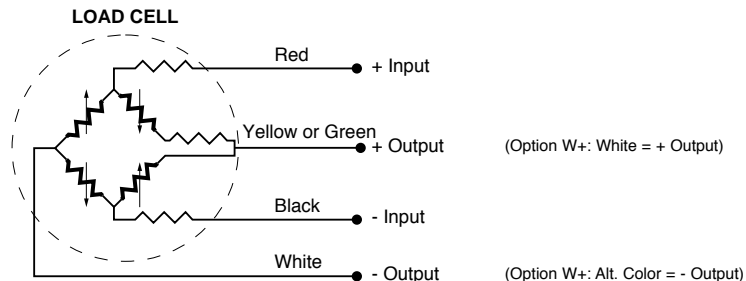
<b>COMPENSATED TEMPERATURE RANGES:</b>	<b>STANDARD</b> Z1 Z2 Z4 Z*	= 15°C to 70°C (60°F to 160°F) = -20°C to 40°C (0°F to 100°F) = 0°C to 60°C (32°F to 140°F) = 40°C to 90°C (100°F to 200°F) = Non-standard, contact Entran
<b>EXCITATION VOLTAGE:</b>	<b>STANDARD</b> V00 V*	=10VDC = Replace "00" with Excitation between 1 and 10. = Non-standard Excitation with standard FSO and non-standard TSS, contact Entran.
<b>SPECIAL CABLE LENGTH:</b>	L00F L00M	= Replace "00" with total length in feet. = Replace "00" with total length in meters.
<b>WATERPROOFING CABLE EXIT:</b>	X	= For short term waterproofing, contact Entran. Limited to 105°C (220°F).
<b>CONNECTOR WIRED TO CABLE:</b>	C <b>RS</b> <b>RQ</b>	= Microtech type male (w/o mate) = RJ Telephone type male (w/o mate) = Pins to mate with MM50 Screw terminals
<b>WIRING COLOR CODE:</b>	<b>STANDARD</b> W+	<b>Yellow or Green = + Output Signal</b> <b>White = - Output Signal</b> White = + Output Signal Alt. Color = - Output Signal
<b>MATING CONNECTORS FOR CONNECTOR OPTIONS:</b>	See Cable and Connector Bulletin	

## Model Number construction:

<u>ELA</u> Series	-	<u>B10</u> Housings	-	<u>5K</u> Range	<u>N</u> Units	-	<u>L2M/RS</u> Options
		B10 <b>B1E</b> B1M B20 <b>B2E</b> B2M B30 <b>B3E</b> B3M		(K used for 1000 Ex.: 1K)	N=Newtons L=Pounds		C, <b>RS</b> or <b>RQ</b> L00F or L00M V1 to V10 or V* W+ X Z1, Z2, Z4 or Z*

■ "Off-the-Shelf" Stocking Program

## Wiring:



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