SMA SERIES MINI S-TYPE LOAD CELL (U.S. & METRIC)

FEATURES & BENEFITS

- Proprietary Interface temperature compensated strain gages
- Performance to 0.05%
- Small compact design
- Tension & compression

SPECIFICATIONS

ACCURACY - (MAX ERROR)				
Nonlinearity – %FS		±0.05		
Hysteresis – %FS		±0.05		
Nonrepeatability – %RO		± 0.02		
Creep, in 20 min – %		± 0.05		
TEMPERATURE				
Compensated Range	°F	+15 to +115		
	°C	-10 to +45		
Operating Range	°F	-65 to +200		
	°C	-55 to +90		
Effect on Output – % /deg	°F	±0.0008		
	°C	±0.0014		
Effect on Zero – % RO / deg	°F	±0.005		
	°C	±0.009		
ELECTRICAL				
Rated Output – mV/V (Nominal)		2.5		
Zero Balance – %RO		-0.6 to 0.0		
Bridge Resistance – Ohm (Nominal)		350		
Excitation Voltage – VDC MAX		15		
Insulation Resistance – Megohm		>5000		
MECHANICAL				
Calibration		Tension		
Safe Overload – %CAP		150		
Material		Aluminum		

OPTIONS

- Cable length
- Standardized output
- Custom calibration
- Add connector to cable
- Special temperature range
- Transducer Electronic Data Sheet (TEDS)

ACCESSORIES

Instrumentation

CONNECTOR OPTIONS

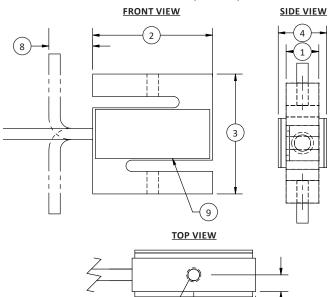
1.5 m (5 ft) integral cable

International System of Units (SI) dimensions and capacities are provided for conversion only. Standard products have U.S. capacities and dimensions. SI capacities available upon special request and at an additional cost.

STANDARD CONFIGURATION



Model SMA (Shown)



DIMENSIONS

	CAPACITY	
See Drawing	U.S. (lbf)	Metric (N)
	15, 25, 50, 100, 150, 200	60, 500, 600, 900
	in	mm
(1)	0.38	9.5
(2)	1.38	35
(3)	1.38	35
(4)	0.56	14.2
(5)	0.19	4.8
(6)	0.69	17.5
(7)	#10-32 UNF – 2B	M4 X 0.7 – 6
(8)	0.5	12.7
(9)	Identification label	