

INTERFACE

Model SMA Series (US and Metric)

Why INTERFACE SMA series are the best in class:

- Proprietary Interface temperature compensated strain gages
- Performance to .05%
- Small compact design
- Tension and Compression



STANDARD CONFIGURATION

- 5 Ft Integral Cable (SMA-nn)

OPTIONS*

- Extra cable length
- Standardized output

ACCESSORIES*

- Instrumentation

* See appendix for more technical information

SPECIFICATIONS

ACCURACY – MAX

Nonlinearity - % FS..... +/- 0.05
 Hysteresis - % FS..... +/- 0.05
 Nonrepeatability - % RO..... +/- 0.02
 Creep, in 20 min. - %..... +/- 0.05

TEMPERATURE

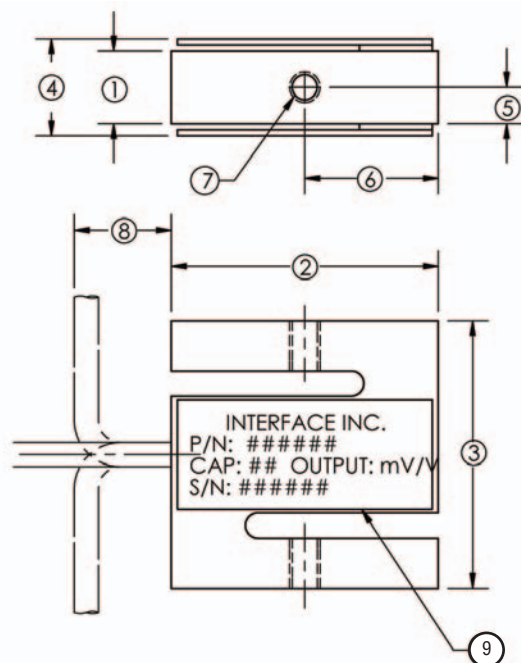
Compensated Range - °F..... 15 to 115
 Compensated Range - °C..... -10 to 45
 Operating Range - °F..... -65 to 200
 Operating Range - °C..... -55 to 90
 Effect on Output - %/°F – MAX..... +/- 0.0008
 Effect on Output - %/°C – MAX..... +/- 0.0015
 Effect on Zero - % RO/°F – MAX..... +/- 0.005
 Effect on Zero - % RO/°C – MAX..... +/- 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 – MAX..... 15
 Insulation Resistance – Megohm..... 5000

MECHANICAL

Calibration..... Tension
 Safe Overload - % CAP..... 150
 Cable length – ft..... 5



DIMENSIONS

See Drawing	CAPACITY	
	Metric (N)	US (LBF)
	60, 500, 600, 900	15, 100, 150, 200
	mm	inch
①	9.53	0.38
②	35	1.38
③	35	1.38
④	14.2	0.56
⑤	4.8	0.19
⑥	17.5	0.69
⑦	M4 X .7 - 6	#8-36 UNF - 2B
⑧	12.7	0.5
⑨	Identification Label	