



- *Completely passive*
- *8 output steps from 0 to 5 mV/V and variable adjustment from 0 to 2 mV/V*
- *Pocket size – 2 3/4 x 1 7/8 x 6 3/4 inches*
- *Accuracy ± 0.03%*
- *Temperature coefficient 6 ppm/F*
- *True reverse polarity switch*
- *Compatible with AC carrier & DC strain gage signal conditioner electronics*
- *Anodized aluminum case with baked matte black finish*

The i100 hand held simulator generates precise mV/V signals to help develop, “troubleshoot,” and calibrate strain gage signal conditioners, instruments, signal processors, and data loggers. Accuracy is ± 0.03%, temperature effects are 6 ppm/F, and zero balance is 0.0004 mV/V. Resistance of the i100 simulator is equivalent to a 350-ohm bridge. The i100 has 8 switch selectable output steps. Also, a vernier knob is provided to allow the user to continuously adjust the output from –2 to + 2 mV/V. A convenient switch provides true reverse polarity. Connection to the i100 is made through either a PT style connector or 4 color-coded spring-loaded test clips. All critical internal contacts are gold plated. The i100 is compatible with AC carrier or DC strain gage signal conditioner electronics.

Specifications

(Subject to change without notice)

Accuracy	± 0.03%
Temperature Effect on Output	6 ppm/F
Temperature Range, operating	+15 to +125 F
Temperature Range, storage	-15 to +175 F
Excitation Voltage Input, typical	10 VDC or VAC rms
Excitation Voltage Input, maximum ⁽¹⁾	20 VDC or VAC rms
Zero Balance	0.0004 mV/V @ 72 F and 0 mV/V output
Output	0, 0.5, 1, 1.5, 2, 2.5, 3, and 5 mV/V switch selectable and vernier adjustment from –2 to +2 mV/V
Connection	PT02E-10-6P and separate 4 color-coded spring-loaded test clips
Dimensions	1.88 x 2.75 x 6.75 inches including dial and receptacle
Weight	12 oz
Construction	Extruded anodized aluminum with baked matte black finish

⁽¹⁾Temperature gradients caused by higher excitation voltages may effect performance.