

SIM 100A

Precision Strain Gage Transducer Simulator

0.10 to 10.90 mV/V Range Setting
Setting Accuracy to within +/-0.02%
Simulates 350 ohm Wheatstone bridge
Instant ZERO and POLARITY switches

Ideal for calibrating:

Digital Strain Gage Transducer Indicators
Strain Gage Amplifiers
Data Acquisition Systems



Performance Specifications:

Input

Vexc 10vdc @ 30ma (typ)
Resistance 350 ohms +/- 0.1%

Output

Mv/V +/- 0.10 to 10.90 mV/V in 0.10 mV/V increments
Accuracy +/-0.05% of setting (0.1 to 0.9mV/V) @25 +/-5 degC
 +/-0.02% of setting (1.0 to 10.9mV/V) @ 25 +/-5degC

Warmup Time 30 minutes

Zero within +/- 5 microvolts (max), +/- 3 microvolts (typ)

Span T/C +/- 10ppm per deg C (typ)

Resistance 350 ohms +/-0.1%

Environmental

Operating Temp 0 to 50 deg C

Storage Temp -20 to +85 deg C

Mechanical:

Case 4"W x 4"D x 2"H Stamped Aluminum Case



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