

Digital Strain Gage Panel Meter Model SM9820



COMPACT - ECONOMICAL

These small strain gage panel meters provide the excitation voltage, signal conditioning and calibration means for strain gaged tension sensors and load cells. These meters are used for industrial applications where only a tension display is required. Easy calibration with a known load allows you to simply turn potentiometers to set the Low and High calibration points. This provides an accurate digital readout of all tension values throughout the entire tension range.

Standard Features:

- ☑ 1/16 DIN, Bezel: 3.78" x 0.95"
- ☑ -19999 to 99999 Display Range
- ☑ 16 Bit Dual Slope Resolution
- ☑ Input Range +/- 20mV (4-wire)
- ☑ 4-1/2 Digit
- ☑ 0.56" Red LED Display
- ☑ Settable Decimal Point
- ☑ 3/Sec Display Update Rate
- ☑ AC & DC Power Options
- ☑ 5VDC or 10VDC Excitation
- ☑ CE Approved
- ☑ Operating Temp. 32 -140 F
- ☑ Weighs 7 oz

Conversion Rate 3 conversions per second is typical.

Calibration This function allows the user to setup the meter with known loads/weights. Low signal input/load is applied and the zero potentiometer is adjusted until 00000 is displayed. High signal input/load is applied and the full-scale reading is set by adjusting the span potentiometer.

Power Supply Standard: 85-265 VAC & 95-370 VDC @ 2.5W, Optional: 15-36 VAC and 10-72 VDC @ 2.5W

Case Dimensions 1/16" DIN, Bezel: 3.78" x 0.95" (96x24mm). Depth behind the bezel is 4.83" (122.2mm) plus 0.5" (12.7mm) for right-angled connector. Installs in thin or thick panels up to 2".

Display 4-1/2 digit red LED display allows readings from -19999 to 99999 counts. The decimal point can be changed. All digits flash in the positive overrange condition. Optional 4X splash proof display cover available

Mechanicals

