

Model 9830 High Speed Digital Indicator

- Sample rate 120 readings per second
- 4 limit setpoints with solid s/h relays
- Programmable analog output, ± 10 VDC and 4-20 mA, 2000 Hz bandwidth
- 5 digit bipolar LED display
- Nonlinearity $< \pm 0.01\%$
- Front panel shunt calibration
- Peak and valley monitoring
- Remote and front panel tare
- Powers four 350 load cells
- Designed for CE compliance
- Bidirectional RS232



SPECIFICATIONS

EXCITATION

Excitation Voltage 5, 10, VDC
(jumper selectable)
Current 60, 120 mA respectively

PERFORMANCE

Maximum Display Range $\pm 99,999$
Display Update 5/sec
Internal Resolution $\pm 32,768$ counts
Signal Input Range ± 50 mV
Sensitivity $0.8 \mu\text{V/count}$
Readings Per Second 120
Maximum Error 0.01% of reading
 ± 1 count
CMR 120dB
Scalable Analog Output ± 10 VDC and 4-20 mA
RS232 Output

ENVIRONMENTAL

Operating Temperature 14 to 122°F
-10 to 50°C
Relative Humidity – MAX 90% at 104°F,
non-condensing

POWER

AC 115 OR 230 VAC
50–60 Hz
Power Consumption 6 watt

MECHANICAL

Size 3.78" W, 1.89" H, 5.5" D
(96mm x 48mm x 140mm)
Weight 1.3 lb (575g)
Display LED 14 segment, 4" H
Panel Cutout 3.62" W X 1.77" H
(92mm X 45mm)

STANDARD CONFIGURATION

9830-110-1 110V with ± 10 V analog output

OPTIONS

Bench top enclosure
External Relay Board