

# Model 9834 High Speed Digital Indicator for High Level Input Devices

- Works with  $\pm 5$  VDC,  $\pm 10$  VDC, 0-20 mA and 4-20 mA inputs
- Sample rate 120 readings per second
- Programmable analog output,  $\pm 10$  VDC and 4-20 mA, 2000 Hz bandwidth
- 5 digit bipolar LED display
- Nonlinearity  $< \pm 0.01\%$
- Front panel calibration
- Peak and valley monitoring
- Remote and front panel tare
- 4 limit setpoints
- Designed for CE compliance
- Bidirectional RS232



## STANDARD CONFIGURATION

- 9834-V-1 Voltage input with  $\pm 10$ V analog output and 4-20 mA
- 9834-C-1 Current input with  $\pm 10$ V analog output and 4-20 mA

## OPTIONS

- Bench top enclosure
- 230 VAC power

## SPECIFICATIONS

### EXCITATION

Excitation Voltage .....15 VDC  
Current .....100 mA

### PERFORMANCE

Maximum Display Range ..... $\pm 99,999$   
Display Update .....10/sec  
Internal Resolution ..... $\pm 32,768$  counts  
Signal Input Range .....6 VDC max for 5 VDC  
11 VDC max for 10 VDC  
21 mA max for 4-20 & 0-20 mA  
Readings Per Second .....120  
Maximum Error .....0.01% of reading  
 $\pm 1$  count  
CMR .....120dB  
Scalable Analog Output ..... $\pm 10$  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, 0.4" H  
Panel Cutout.....3.62" W X 1.77" H  
(92mm X 45mm)