

# Model 9840 Intelligent Indicator



- 1 or 2 Channel
- Remote sense excitation
- 5 & 6 point linearization
- Bipolar
- ±999,999 display counts
- Nonlinearity < ±0.005%
- Auto setup for multiple load cells
- Fast, direct analog output
- ±10 VDC scalable analog output - 16 bit
- Full duplex RS232C communication
- Peak/valley hold with front panel reset
- Front panel and remote tare
- 8 selectable digital filters
- Auto zero
- Front panel shunt calibration with two selectable resistors
- Display units conversion:  
Lb, Kg, N, Psi, Mpa, Klb, KN, t, mV/V
- Two-line vacuum fluorescent display
- Quadature encoder channel available
- mV/V Calibration



## SPECIFICATIONS

### EXCITATION

Voltage .....5 or 10 VDC  
Current – MAX .....180 mA

### OUTPUTS

Serial Interface .....RS232 duplex  
Output – Analog, 16 bit .....Scalable, ±10 VDC  
Output – Analog, Direct .....1.5 khz BW  
Output – Analog .....4–20 mA (optional)  
Limits .....Quad-programmable

### PERFORMANCE

Maximum Display Counts .....±999,999  
Display Update .....4 / sec.  
Internal Resolution .....24 bits  
Signal Input Range .....±4.5 mV/V  
Programmable Count - by .....1, 2, 5, 10, and 20  
Conversion Rate .....60 / sec  
Maximum Error .....0.01% FS  
±1 count  
CMRR .....115 dB

### ENVIRONMENTAL

Operating Temperature .....32 to 122°F  
0 to 50°C  
Storage Temperature .....14 to 140°F  
-10 to 60°C  
Relative Humidity – MAX .....95% at 104°F  
non-condensing

### POWER

AC Power .....115 OR 230 VAC  
50–60 Hz  
DC Power (option) .....Available as a special  
Power Consumption .....12 watts

### MECHANICAL

Size .....7.5" W, 2.5" H, 9.5" D  
Weight .....5 lb  
Display .....Vacuum Fluorescent  
Unit Annunciator .....Lb, Kg, Klb, KN, N, mV/V

## STANDARD CONFIGURATION

9840-100-1 110V single channel

## OPTIONS

Second channel  
Quad limits  
RS485 output  
4-20 mA analog output  
Panel mount bracket  
Multi-drop RS232/485