

Model 9840 Intelligent Indicator

- TEDS Plug & Play Ready!
IEE1451.4 compliant
- 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, lb-in, oz-in, Nm
- Two-line vacuum fluorescent display
- Quadrature encoder channel available
- mV/V calibration
- USB port



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, lb-in, oz-in, Nm

STANDARD CONFIGURATION

9840-100-1 110V single channel

OPTIONS

- TEDS
- 2nd channel
- 2nd 16-bit scalable analog output
- Display Freeze/Remote Display Freeze
- 4-20 mA analog output
- Quad Limits
- RS485
- Multi-drop RS232
- Print Button
- 7-pin circular load cell connector
- Encoder Channel
- Second Line Enable on 1-channel unit
- Keylock

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