

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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Model 9840 Intelligent Indicator

CE

- 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

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