



Features

- **0.1% Accuracy**
- **Highly Flexible, Programmable Architecture**
- **MIL-SPEC Designed, Tested and Qualified**
- **Field Upgradeable Flash Processor**
- **Low Power Consumption; < 3W**
- **Common Element to a Wide Variety of Applications**
- **Floating Zero Position on the Bar Graph**
- **Display Dimming - Analog or TTL PWM Control**
- **Reliable and Robust - Dramatically Reduces Lifecycle Costs**
- **Horizontal or Vertical Configurable**
- **1kv Galvanic Isolation**
- **Built in Test Features**

Description

- **Isolated Data Retransmission**
 - > 4 - 20 mA
 - > 0 - 200 uA
 - > 0 - 2.5 VDC
 - > 0 - 5 VDC
 - > 0 - 10 VDC
 - > -5VDC to +5VDC
 - > -10VDC to +10VDC
- **101 LED Bar Graph Display**
- **Programmable; Patented Cloning Feature**
 - > Cloning, within seconds data from a programmed Model 9227 can be downloaded to a new off the shelf Model 9227 or to a computer.
 - > Storage of 128 addressable curve correction tables, 100 correction points per curve.
 - > User-friendly manual access to set up thru internal or external programming switches
 - > Computer Software for Cloning, Configuration, Calibration, and Curve Data Entry.
- **(4) Isolated Alarm Outputs**
 - > Programmable discrete output states
 - > Flashing Display Alarm Indication

- **Software Selectable Communication Port**
 - > RS232; Bi-directional, Full Duplex
 - > RS422
 - > RS485; Bi-directional, Addressable
- **Panel Cutout Dimension same as our analog legacy meter, the Model 2150**
- **10VDC Probe Excitation 25DCmA (max.)**
- **Isolated Analog Inputs: Accepts both Unipolar and Bipolar inputs**



Patent Numbers
 > 5,751,611
 > 5,918,193



System Modularity

Specifications

■ GENERAL

Ambient Temperature Range

Storage	-40°C - 85°C
Operating	-25°C - 70°C

Input Power

Voltage	18 – 30 VDC
Current	250 DCmAmax•
Power Consumption	< 3W

Display Characteristics

BAR GRAPH

Color	Red (λ = 660nm)
Bars	101 bars

DIGITS

Color	Red (λ = 660nm)
Segments	4 – (7) Segments LED 0.300" high.

VISIBILITY

3 ft. viewing angle of 45° from the normal vertical/horizontal.

DIMMABLE

Signal Input

0-10 DCV
1-5 DCV
4-20 DCMA
0-200 DCUA

Impedance

> 100 KΩ
> 100 KΩ
249 Ω
1.82 KΩ

■ PERFORMANCE

Accuracy

0.1% of Full Scale

Linearity

0.1% of Full Scale

Resolution

15 binary bits

Analog Output

0.2% Accuracy Input to Retransmission

■ PHYSICAL

Weight

1.5 lbs, (680 g)

Dimensions

6.9"H x 1.24"W x 6.44"D

MIL Specifications:

• EMI	MIL-STD-461
• Shock	MIL-S-901
• Vibration	MIL-STD-167
• Drip-Proof	MIL-STD-108
• Salt Spray	MIL-STD-202
• DC Magnetic Field	MIL-STD-1399, Part 70

Dimensions

