

model 9211



Multi-Channel Smart Indicating System

Features

- MIL SPEC Designed, Tested and Qualified
- Designed, Tested and Qualified for Military Applications.
- Components based on Proven, Fielded Technology
- Modular Design (Plug-in Power Supply and Indicators)
- Available in Single and Multi-Channel configurations (up to 6 Channels)
- Latched Alarm indicator with Front Panel Reset Switch
- Programmable Alarms and Display Characteristics
- Stored Curve Corrections and Calibration Data (Field Programmable)
- Analog and/or Digital Retransmission of processed data
- Built in Test

CONSISTING OF:

- Prime Technology Model 9212 Smart Indicator Remote Display/s
- Prime Technology Model 9211 Power Supply/Indicator Bulkhead Mount Chassis

Description

- Common Components Already within the Military Procurement System
- Prime Technology Patented Cloning Technology Included – a new 9212 indicator module can be automatically uploaded with curve correction and parameter data from an operating indicator by simply plugging the Indicator into the cloning port.
- Storage of up to 255 Addressable Data Curves per Channel (100 Data Points per Curve)
- Test Switch and Potentiometer – test mode simulates sensor input for testing Alarm Settings, Numeric Display, Bar Graph displays, Digital Retransmission and Isolated Analog Retransmission.
- Four Alarms per channel
 - > Programmable Alarm Set Points
 - > External Alarm Lamp Indicator
- Analog and/or Digital Retransmission of processed data
- One RS232 Bi-directional Communication Port



**Model 9211
Dual Channel**

Technical Specifications

■ GENERAL

Ambient Temperature Range

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

Input Power

Voltage 115 VAC
 Frequency 60 HZ
 Power < 10W
 Fuse 1A, 250VAC, R03 fuse

Display Characteristics

DIGITS – (4) 7 Segment LED
 Color Red (λ = 660nm)
 Segments 4 – (7) Segments LED

BAR GRAPH – (101) LED
 Color Red (λ = 660nm)
 Segments 101 Segments LED

Digital Retransmission (Serial Connection)

RS232/422 Serial data transceiver

Analog Retransmission

4 - 20mA, Voltage compliance 10 V

Probe Excitation

10 VDC
 28 VDC

Signal Inputs (Selectable)

4 - 20 mA DC
 0 - 10 VDC
 1 - 5 VDC

Insulation Resistance

10 MΩ (min) @50V

Curve Fitting

5000 Data Points (max)
 255 Addressable Data Curves
 100 Data Points per Curve

(4) Alarm Outputs

Configurable (Hi-Hi, Hi-Lo, Lo-Lo)
 Open Collector

■ PERFORMANCE

System Accuracy ± 2.0 % Full Scale(max)
 Local Accuracy ± 1.0 % Full Scale(max)
 Resolution 15 binary bits

■ PHYSICAL

Channel Weights 15 lbs, 18 lbs,
 21 lbs, 34 lbs

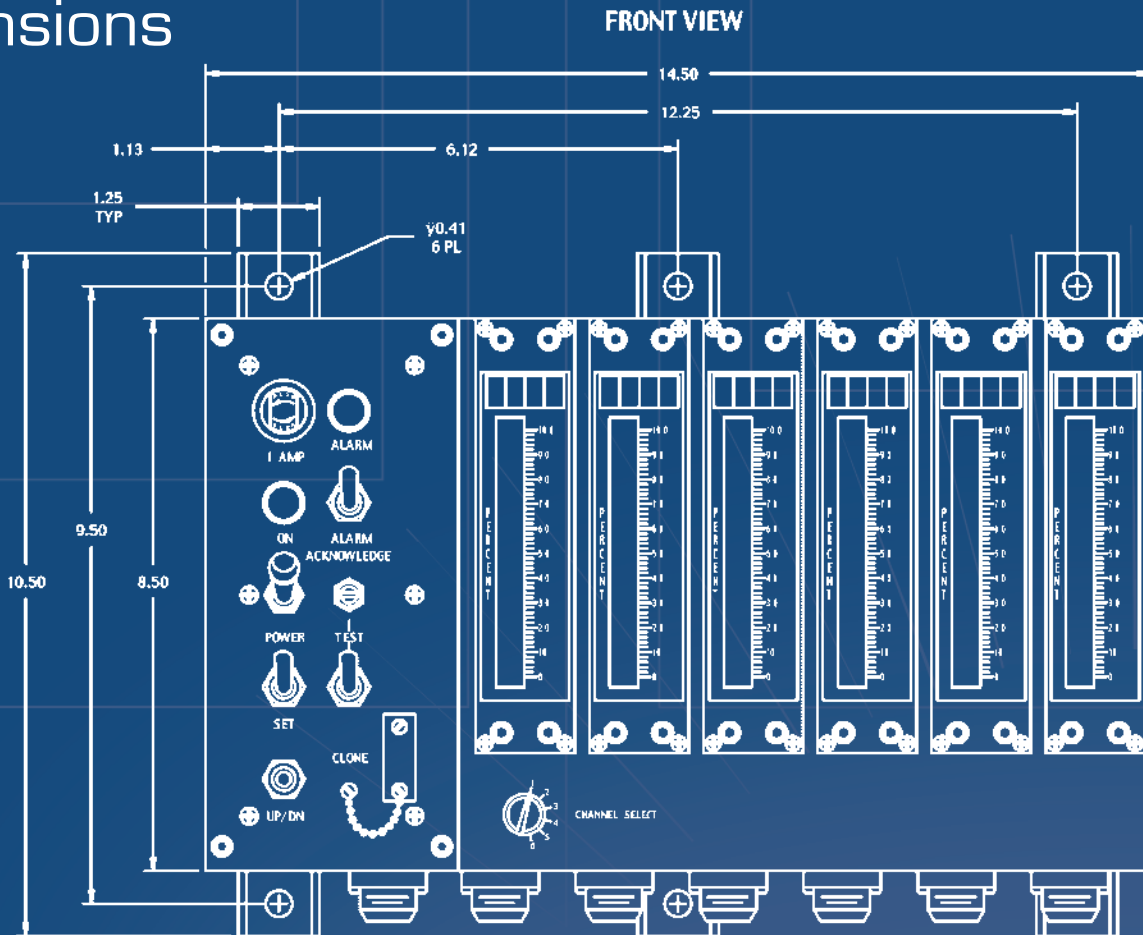
Overall Dimensions 8.50" H x 9.00" D

	Width
Single Channel	5.75"
2 Channel	7.50"
3 Channel	9.25"
6 Channel	14.50"

MIL Specifications:

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

Dimensions



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*Contact manufacturer for different multi channel configurations.