

Mini-Mil Round Bar Indicator

Features

- **1.0% Accuracy**
- **Single or Dual Inputs and Displays**
- **Mil-Spec Designed, Tested and Qualified**
- **2.25 Inches Square, 1.95 Inches Viewable**
- **5 Inches Deep, 0.53 pounds**
- **145,000 Hour MTBF**
- **60 Stored Tank Curves**
- **Multiple Inputs Acceptable**
- **Field Configurable**
- **4 Digit, 7 Segment Numeric Display**
- **Bar Graph**
 - > Single Channel – 1 Bar Graph 101 LED's
 - > Dual Channel – 2 Bar Graphs 51 LED's each
- **Isolation**
 - > Channel to Channel; 1K Volts
 - > Input Power to Channel; 1K volts

Description

- **UK Defense Standards Tested and Qualified**
- **UK Safety Standard Qualified SIL 2**
- **Calibration not Required**
- **Viewing Angled greater than 50 degrees**
- **Built in Test, Watchdog Timer, External Lamp Test**
- **FPGA Based Technology; No Software**
- **2 Push-Button Switch (per Channel) Configurable**
 - > 16 Step Display Intensity Selection
 - > Display Selections – Bar Graph Only, 4 Digit Numeric Display Only, or Both
 - > Sampling Rate Selectable
 - > Curve Selection
- **Re-Programmable Offline; Field Upgradeable**
- **Single or Dual Channel Versions**
- **Flash Memory**
 - > Storage of 64 selectable curve correction tables
 - > Each curve can be profiled by a 16,000 data point look up table
- **Display Dimming – 16 Step Intensity Control**
- **Sample Rate**
 - > 0.1, 0.5, 1, or 2 Samples/Second



Dual Channel



Single Channel

Technical Specifications

■ GENERAL

Ambient Temperature Range

Storage	-40°C - 70°C
Operating	-10°C - 60°C

Input Power

Voltage	24VDC Nominal
Isolation	Power Supply-Channel 1KV Channel-Channel 1KV
Current	200 DCmAmax
Power Consumption	< 3W

Display Characteristics

BAR GRAPH

Color	Amber (λ 605 nm)
Bars	Single Channel 101 bars Dual Channel (2) 51 bars

DIGITS

Color	Amber (λ 605 nm)
Segments	4 – (7) Segments LED 0.300" high

VISIBILITY

Viewing angle of 50° from the normal vertical/horizontal.

DIMMABLE

Intensity – 16-position variable

Std. Signal Input

0-4.5 DC mA
4-20 DCmA
0-10 DCmA

Impedance

1.5 KΩ (±0.1%)
100 Ω (±0.1%)
249 Ω (±0.1%)

■ PERFORMANCE

Accuracy

Digital	1.0% of Full Scale
Dual Bar Graph	2.0% of Full Scale
Single Bar Graph	1.0% of Full Scale

Resolution

A/D Converter	14 bits
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■ PHYSICAL

Weight

0.5225 lbs (max.) 237g

Dimensions

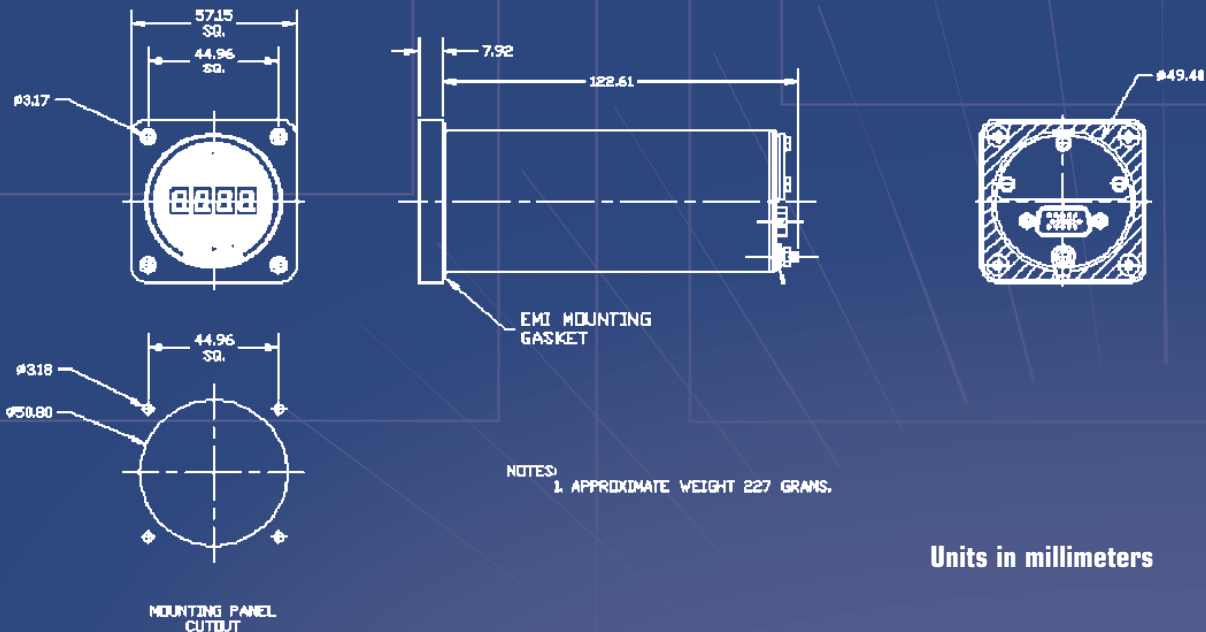
58mmL x 58mmW x 125mmD
2.25" L x 2.25" W x 5" D

[Qualified to Def std specifications equivalent to the following]

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



Units in millimeters

