

FEATURES

- ▶ Large, 1", 3½ digit display for easy viewing
- ▶ Standard 1/8 DIN package
- ▶ User-selectable decimal points
- ▶ User-selectable engineering units
- ▶ Snap-in panel mounting - no tools or hardware required
- ▶ 13 pin connector / wiring harness included
- ▶ Gasket and clamp provided for NEMA 4, NEMA 12 & IP66 applications



SPECIFICATIONS

DISPLAY

Digits: 3 ½ Digits (±1999 counts)
 Type: 1" (24.9 mm) high contrast LCD
 Polarity: automatic, "-" displayed.
 Decimal Points: 3 position, user-selectable
 Overrange: three lower order digits blank for inputs >1999 & < -1999
 Annunciators: PSI, °F, °C, % user-selectable

INPUTS

Ranges: ±200.0 mV, +/-2.000 V, +/-20.00 VDC
 Configuration: bipolar, differential
 Protection: ±350 VDC, (±100 VDC on 200 mV range)
 Impedance: >1 MΩ, (>10 MΩ on 200 mV range)

PERFORMANCE

Accuracy: ±(0.05% FS +1 counts)
 Conversion Rate: 3 per second
 Normal Mode Rejection: >30 dB @ 60 Hz
 Common Mode Range: ±1 VDC
 Common Mode Rej.: >86 dB
 Zero Adjustment: automatic
 Warmup: 10 minutes typical
 Temperature Coeff.: ±100 ppm per °C typical

ENVIRONMENT

Operating Range: -10 to 50 °C
 Storage Range: -10 to 75 °C

POWER SUPPLY

5V powered: +5 VDC (±5%) 3 mA @ 5 V

MOUNTING

snap-in panel mount or clamp and gasket (included)

CONNECTION

13 pin male connection

ORDERING INFO

| PART NUMBER | METER INPUT |
|---------------|-------------|
| DMO-801 | 200mV |
| DMO-802 | 2V |
| DMO-803 | 20V |

ACCESSORIES

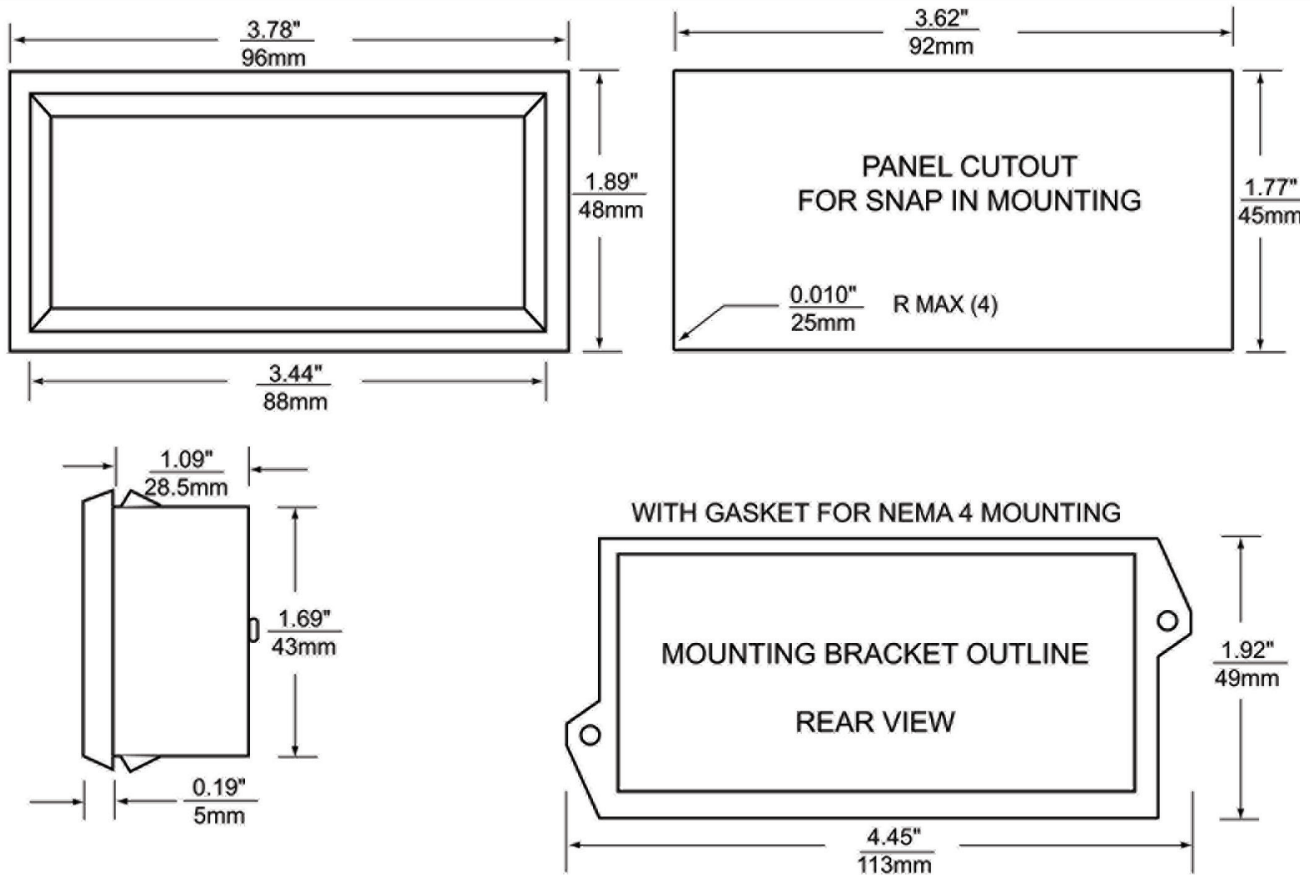
| | |
|-------------|---|
| J4C13..... | 13 Pin Connector / Wire Assembly |
| PW2-5 | Regulated 120V AC to 5V DC Power Supply |
| CVC | Calibrator |



Specifications Installation and Operating Instructions
LCD Digital Panel Meters
 Large 1" - 3½ Digit LCD Digital Panel Meter



DIMENSIONS



Inches
mm

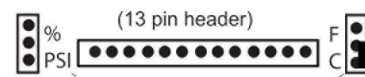
NOTES:

1. Panel thickness is: 0.032"/0.81mm to 0.25"/6.35mm
2. Gasket supplied is: 0.075"/1.9mm thick

WIRING

PIN # DESCRIPTION

| | |
|----|--|
| 1 | +5V POWER SUPPLY |
| 2 | NEGATIVE SUPPLY |
| 3 | INH1 |
| 4 | INLO |
| 5 | DECIMAL COMMON |
| 6 | DECIMAL 000.0 WHEN CONNECTED TO DECIMAL COMMON |
| 7 | DECIMAL 00.00 WHEN CONNECTED TO DECIMAL COMMON |
| 8 | DECIMAL 0.000 WHEN CONNECTED TO DECIMAL COMMON |
| 9 | NO CONNECTION REQUIRED |
| 10 | NO CONNECTION REQUIRED |
| 11 | NO CONNECTION REQUIRED |
| 12 | NO CONNECTION |
| 13 | NO CONNECTION |



* Note: Pins 2 & 4 should be tied together for proper operation