



LCD Digital Panel Meters

Digital Meters

Large 1" - 3½ Digit LCD Digital Panel Meter



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
Hold: display hold function is standard
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 M Ω , (>10 M Ω on 200 mV range)

PERFORMANCE

Accuracy: $\pm(0.05\%$ 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: -40 to 75 °C

POWER SUPPLY

5V powered: +5 VDC ($\pm 5\%$) 3 mA @ 5 V

MOUNTING

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

CONNECTION

13 pin male connection

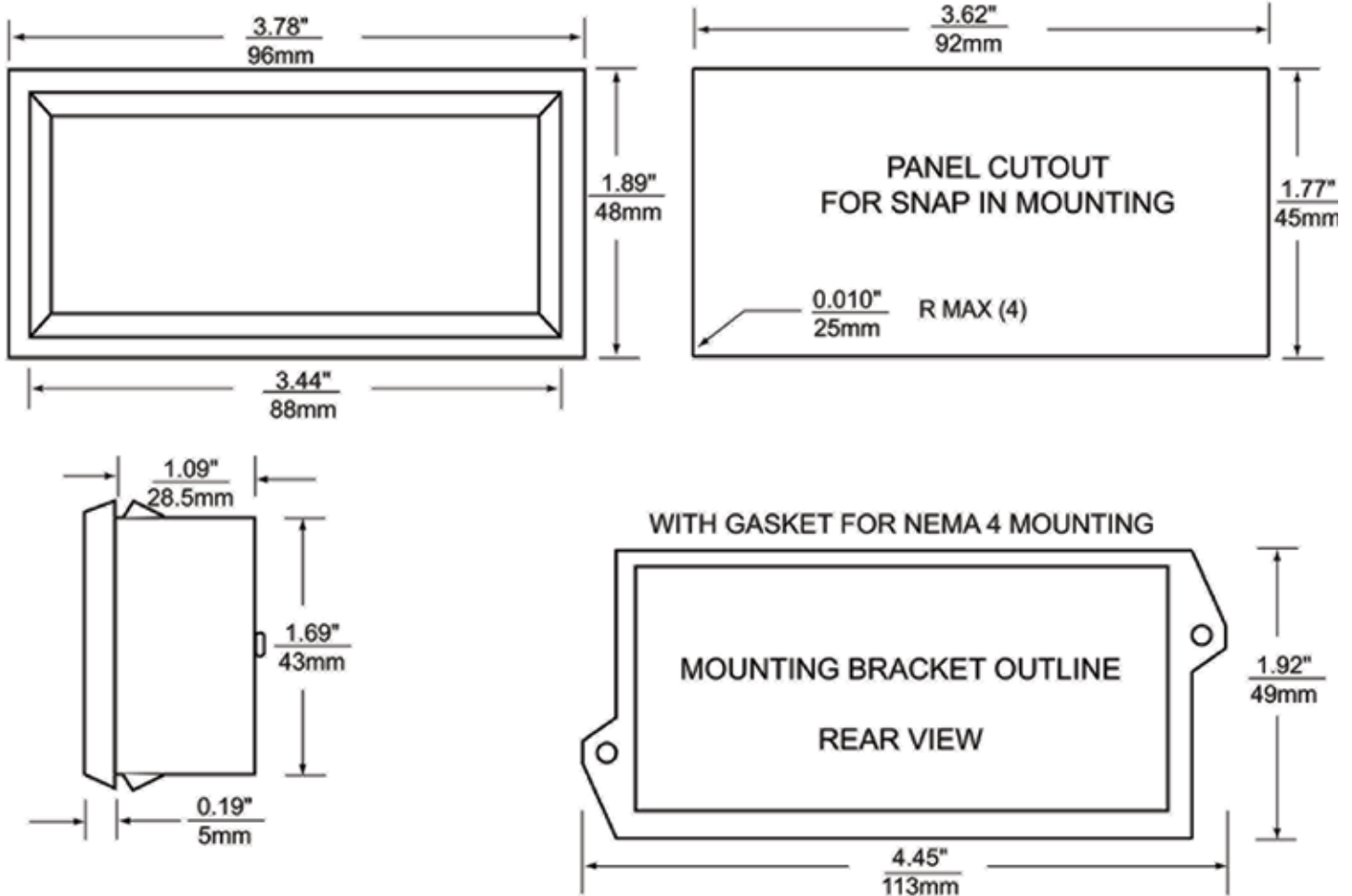


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DIMENSIONS



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



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CONNECTION DESCRIPTION

PIN # DESCRIPTION

- 1 +5V POWER SUPPLY
- 2 NEGATIVE SUPPLY
- 3 INHI
- 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 DISPLAY HOLD WHEN CONNECTED TO +5V
- 12 NO CONNECTION
- 13 NO CONNECTION

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

HOW TO ORDER

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

ACCESSORIES

HJ4C13.....	13 Pin Connector / Wire Assembly
HPW2-5.....	Regulated 120V AC to 5V DC Power Supply
HCVC	Calibrator

To enable annunciators:

