



LCD Digital Panel Meters

Digital Meters

Large 1" - 3½ Digit Loop Powered or Voltage Controlled LCD DPM



FEATURES

- Large 1", 3½ digit display for easy viewing
- User-selectable decimal points
- User-selectable engineering units
- Non-backlit LCD or choice of AMBER, GREEN, RED or BLUE backlit LCD
- Wide ZERO (Offset) & SPAN (Gain) adjustment
- Standard 1/8 DIN package
- Snap-in panel mounting
- Gasket and clamp provided for NEMA 4, NEMA 12 & IP66 applications

SPECIFICATIONS

DISPLAY

Digits: 3 ½ digits (± 1999 counts)
Type: 1" (24.9 mm) 7 segment high contrast LCD
Polarity: automatic, "-" displayed
Annunciators: °F, °C, PSI, %, user-selectable or V, A, KW, PF
Decimal Points: 3 position, user selectable
Overrange: three lower order digits blank for inputs >1999 & <-1999

INPUTS

Voltage Ranges: 200 mV, 5 V, 10 V (VPI)
Current Range: 4 to 20mA (LPI)
Configuration: single ended (VPI)
Impedance: 390K Ω (VPI)

PERFORMANCE

Accuracy: $\pm(0.05\%$ of full scale + 1 count)
Conversion Rate: 3 per second
Normal Mode Rejection: >30 dB @ 60 Hz
Warmup: 10 minutes typical
Temperature Coeff.: ± 100 ppm per °C typical
Adjustments: 25 turn potentiometers
Offset Range: -1999 to +1999
Gain Range: 1 to 1999 (custom ranges available)

ENVIRONMENT

Operating Range: -10 to 50 °C
Storage Range: -40 to 75 °C

POWER SUPPLY

Loop Powered: 300 Ω nominal at 20 mA (LPI)
Voltage Controlled: 10 mA at 12 V (9 to 16 V) or 24 V (16 to 32 V) (VPI)
Backlighting: 35 mA typical @ 24 VDC

MOUNTING CONNECTION snap-in panel mount or clamp and gasket (included) screw terminals

Hoyt Electrical Instrument Works Inc.

23 Meter Street
Penacook, NH 03303

Phone: (800) 258-3852

Fax: (603) 753-9592

Email: sales@hoytmeter.com

www.hoytmeter.com

H030314

Page 1 of 3

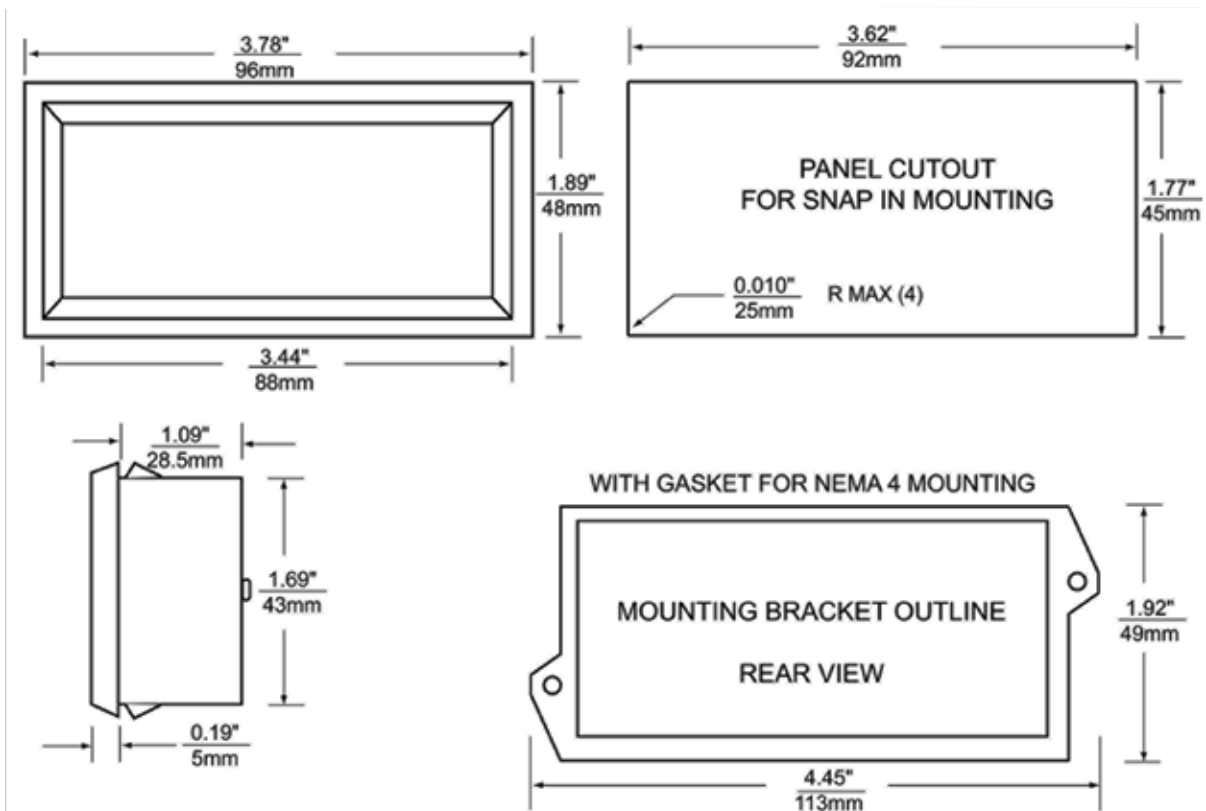


LCD Digital Panel Meters

Digital Meters

Large 1" - 3½ Digit Loop Powered or Voltage Controlled LCD DPM

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

