



HLPI-3EW Series

3.5 Digit LCD Panel Meter



3½ Digit LCD with Loop Powered Board

Features

- Low-cost, high-performance replacement for many OEM DPMs.
- Optional RED, GREEN or AMBER backlighting.
- Window mount.
- Resistant to RF and EMI.
- 3½ digits with high-contrast LCD.
- 4-20 mA loop powered input.
- User-selectable, displayed engineering units.

Ordering Information

Part Number	Backlight Color	Backlight Power
LPI-3*EW	NO BACKLIGHT	NONE
LPI-3*EANW	NEG AMBER	24VDC
LPI-3*EGNW	NEG GREEN	24VDC
LPI-3*ERNW	NEG RED	24VDC
LPI-3*EGPW	POS GREEN	24VDC

*Add (P) for Power Engineering Units V, A, KW, PF

ACCESSORIES

PW2-24	Regulated 120V AC to 24V DC Power Supply
CVC	Calibrator

Specifications

Display

Digits: 3 ½ digits (± 1999 counts)
 Type: 0.45" (11.4 mm) 7 segment LCD

Backlighting: Optional Red Negative (red numbers/black background)
 Optional Green Negative (green numbers/black background)
 Optional Amber Negative (amber numbers/black background)
 Optional Green Positive (black numbers/green background)

Polarity: automatic, "-" displayed
 Annunciators: °F, °C, PSI, % user-selectable or V, A, KW, PF
 Decimal Points: 3 position, user-selectable
 Overrange: fthree lower order digits blank for inputs >1999 & < -1999

Inputs

Ranges: 4-20 mA DC
 Configuration: bipolar differential
 Impedance: 300Ω nominal

Performance

Accuracy: $\pm(0.1\% \text{ fs} + 2 \text{ count})$
 Conversion Rate: 3 per second
 Normal Mode Rejection: $>30 \text{ dB @ } 60 \text{ Hz}$
 Common Mode Range: $\pm 1 \text{ VDC max}$
 Common Mode Rej.: $>86 \text{ dB}$
 Adjustments: span (gain) and zero (offset)
 Warmup: 10 minutes typical
 Temperature Coeff.: $\pm 100 \text{ ppm per } ^\circ\text{C typical}$

Environment

Operating Range: 0 to 50 °C
 Storage Range: -10 to 70 °C

Power Supply

powered by the milliamp control loop
 Optional Backlight: 24 VDC at 35 mA typical

Mounting

window mount

Connection

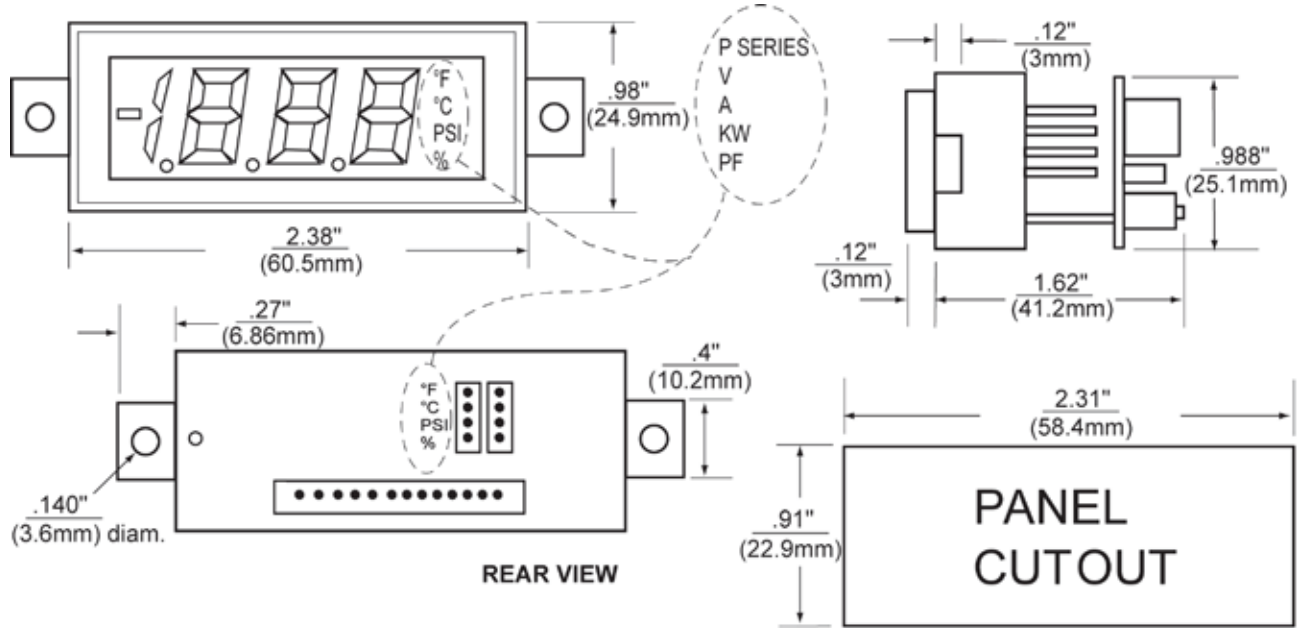
2 screw terminal (4 with backlight)



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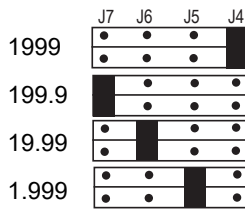
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Dimensions



Wiring

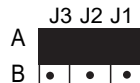
1. Decimal Selection:



2. J1, J2, J3 Selection:

IF: Offset (Zero) = 0 or

Offset (Zero) > 0 and Gain (Span) ÷ Offset (Zero) > 5



IF: Offset (Zero) > 0 and Gain (Span) ÷ Offset (Zero) < 5

