



# HVPI-3E, HVPI-3EW Series

## 3.5 Digit LCD Panel Meter

### Adjustable Voltage Powered 3½ Digit LCD

#### 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: three lower order digits blank for inputs >1999 & < -1999

##### Inputs

Ranges: 0-10 VDC, 0-5 VDC or 0-200 mV DC

Configuration: single ended

Impedance: 390 KΩ min.

##### Performance

Accuracy: ±(0.1% fs + 2 count)

Conversion Rate: 3 per second

Normal Mode Rejection: >30 dB @ 60 Hz

Adjustments: span (gain) (2) (10V and 5V) and zero (offset)

Warmup: 10 minutes typical

Temperature Coeff.: ± 100 ppm per °C typical

Offset Range: -1999 to +1999

Gain Range: 1-2000 counts above adjusted zero

##### Environment

Operating Range: 0 to 50 °C

Storage Range: -10 to 60 °C

##### Power Supply

12 VDC or 24 VDC regulated (selectable)

Optional Backlight: 24 VDC at 35 mA typical

##### Mounting

HVPI-3E snap-in bezel mount

HVPI-3EW window mount (optional)

##### Connection

4 screw terminal (6 with backlight)



#### Features

- Low-cost, high-performance replacement for many OEM DPMs.
- Optional RED, GREEN or AMBER backlighting.
- Resistant to RF and EMI.
- Snap-in bezel mount eliminates mounting hardware.
- Optional window mount.
- 3½ digits with high-contrast LCD.
- 12V or 24V DC voltage-powered.
- User-selectable, displayed engineering units.

#### Ordering Information

##### SNAP-IN:

Part Number	Backlight Color	Backlight Power
VPI-23*E	NO BACKLIGHT	NONE
VPI-A3*EAN	NEG AMBER	24 VDC
VPI-3*EGN	NEG GREEN	24 VDC
VPI-3*ERN	NEG RED	24 VDC
VPI-3*EGP	POS GREEN	24 VDC

##### WINDOW:

Part Number	Backlight Color	Backlight Power
VPI-23*EW	NO BACKLIGHT	NONE
VPI-A3*EANW	NEG AMBER	24 VDC
VPI-3*EGNW	NEG GREEN	24 VDC
VPI-3*ERNW	NEG RED	24 VDC
VPI-3*EWGP	POS GREEN	24 VDC

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

##### Accessories

PW2-12	Regulated 120V AC to 12V DC Power Supply
PW2-24	Regulated 120V AC to 24V DC Power Supply
CVC	Calibrator

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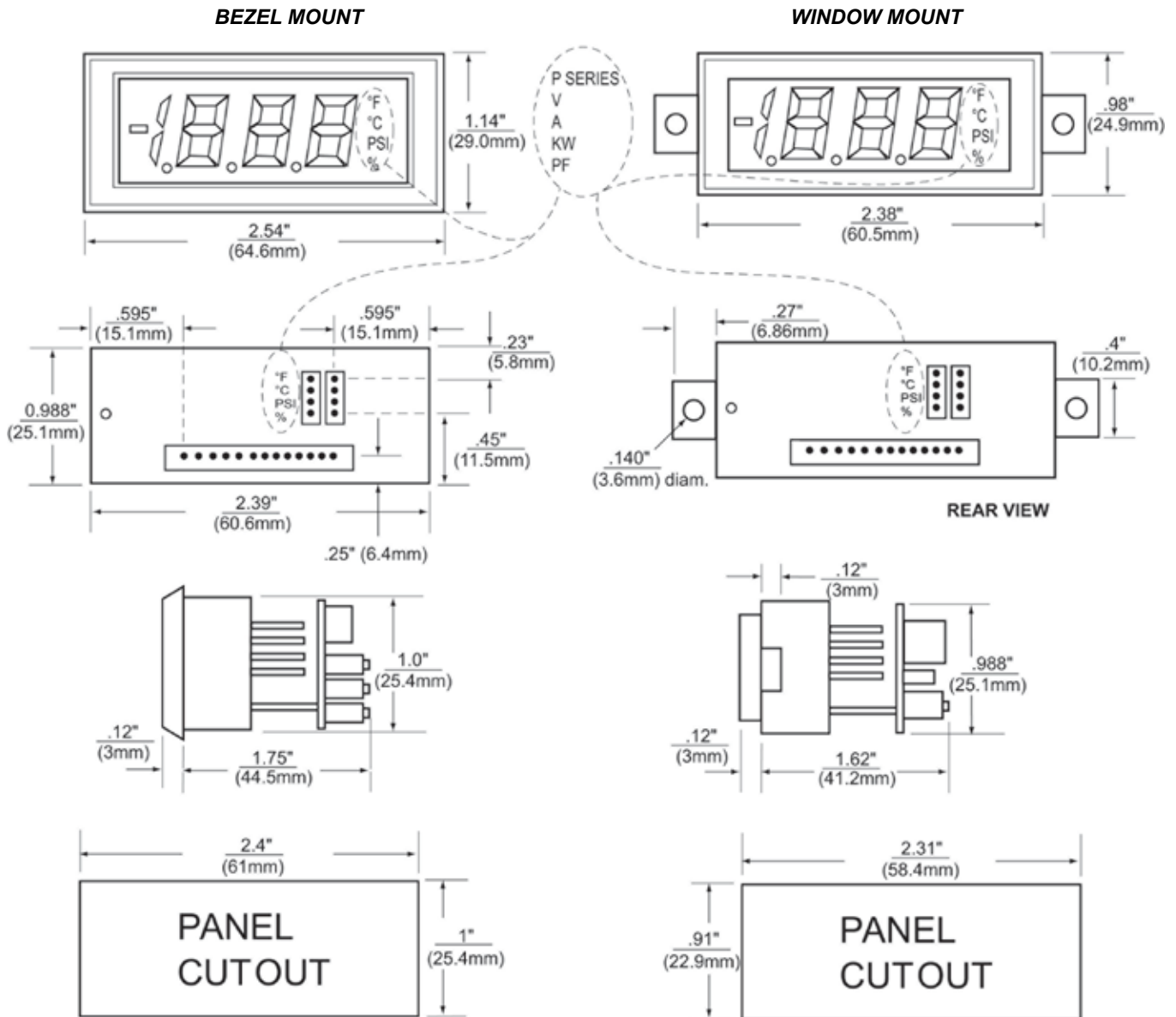
[www.hoytmeter.com](http://www.hoytmeter.com)



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### Dimensions



### Wiring

#### Decimal Point Selection

1. Locate jumpers J4 through J6 in the middle of the circuit board unit.

2. Jumper the appropriate decimal location as follows:

- J4 - 000.0
- J5 - 00.00
- J6 - 0.000
- None - 0000

