

# LCD Digital Panel Meters

Epic Series - 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



No Backlight  
Window Mount

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

### INPUTS

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

### PERFORMANCE

Accuracy: ±(0.1% fs + 2 count)  
 Conversion Rate: 3 per second  
 Normal Mode Rejection: >30 dB @ 60 Hz  
 Common Mode Range: ±1V DC max  
 Common Mode Rej.: >86 dB  
 Adjustments: span (gain) and zero (offset)  
 Warmup: 10 minutes typical  
 Temperature Coeff.: ± 100 ppm per °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)

## ORDERING INFO

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

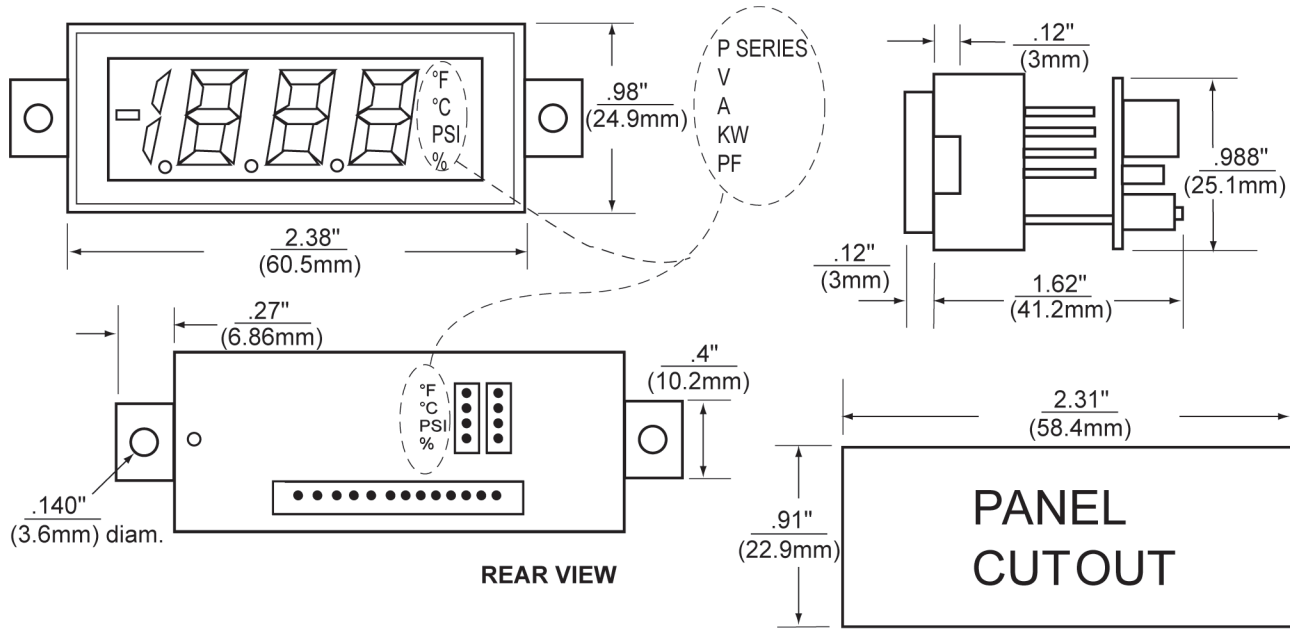


# Specifications Installation and Operating Instructions LCD Digital Panel Meters

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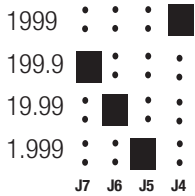


## DIMENSIONS



## WIRING

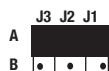
### 1. DECIMAL SELECTION:



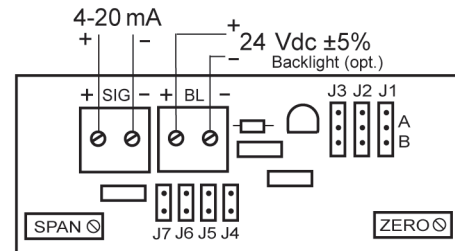
### 2. J1, J2, J3 SELECTION:

IF: OFFSET (ZERO) IS 0 or

OFFSET (ZERO) > 0 and GAIN (SPAN) ÷ OFFSET (ZERO) ≥ 5



IF: OFFSET (ZERO) > 0 and GAIN (SPAN) ÷ OFFSET (ZERO) < 5



WIRING