



## 3.5 Digit LCD Panel Meter

### 3½ Digit LCD with adder board for process inputs



### Specifications

#### Display

Digits: 3 ½ digits ( $\pm 1999$  counts)  
Type: 0.39" (10mm) high contrast reflective LCD  
Polarity: automatic, "-" displayed  
Decimal Points: 3 position, user-selectable  
Overrange: three lower order digits blank for inputs  
>1999 & < -1999

#### Inputs

Ranges: process inputs, 4 to 20 mA  
Configuration: bipolar, differential  
Protection: 30 mA max.  
Loop Burden: 300 $\Omega$  nominal @ 20 mA DC (loop powered)

#### Performance

Accuracy:  $\pm(0.1\% + 1 \text{ counts})$  typical  
 $\pm(0.2\% + 2 \text{ counts})$  maximum  
Conversion Rate: 3 per second  
Normal Mode Rejection: >30 dB @ 60 Hz  
Adjustments: automatic  
Warmup: 10 minutes typical  
Temperature Coeff.:  $\pm 100 \text{ ppm per } ^\circ\text{C}$  typical

#### Environment

Operating Range: 0 to 50  $^\circ\text{C}$   
Storage Range: -10 to 60  $^\circ\text{C}$

#### Power Supply

powered by the 4-20mA current loop

#### Mounting

LCD: snap-in bezel mount  
Process Board: plugs onto DPM pins, adds  
approximately 0.6" (16mm) to depth

#### Connection

screw terminals on process board



### Features

- Space saving design only 1.4" (35.6mm) deep.
- Occupies less than 2.5 x 1.1 inches of front panel space.
- High contrast LCD.
- 3½ digits with 0.39" LCD.
- Snap-In bezel eliminates the need for mounting hardware.
- User-selectable decimal points.
- Process input (4 to 20mA) adder board with multi-turn SPAN (GAIN) and ZERO (OFFSET) adjustments.
- Loop-powered.

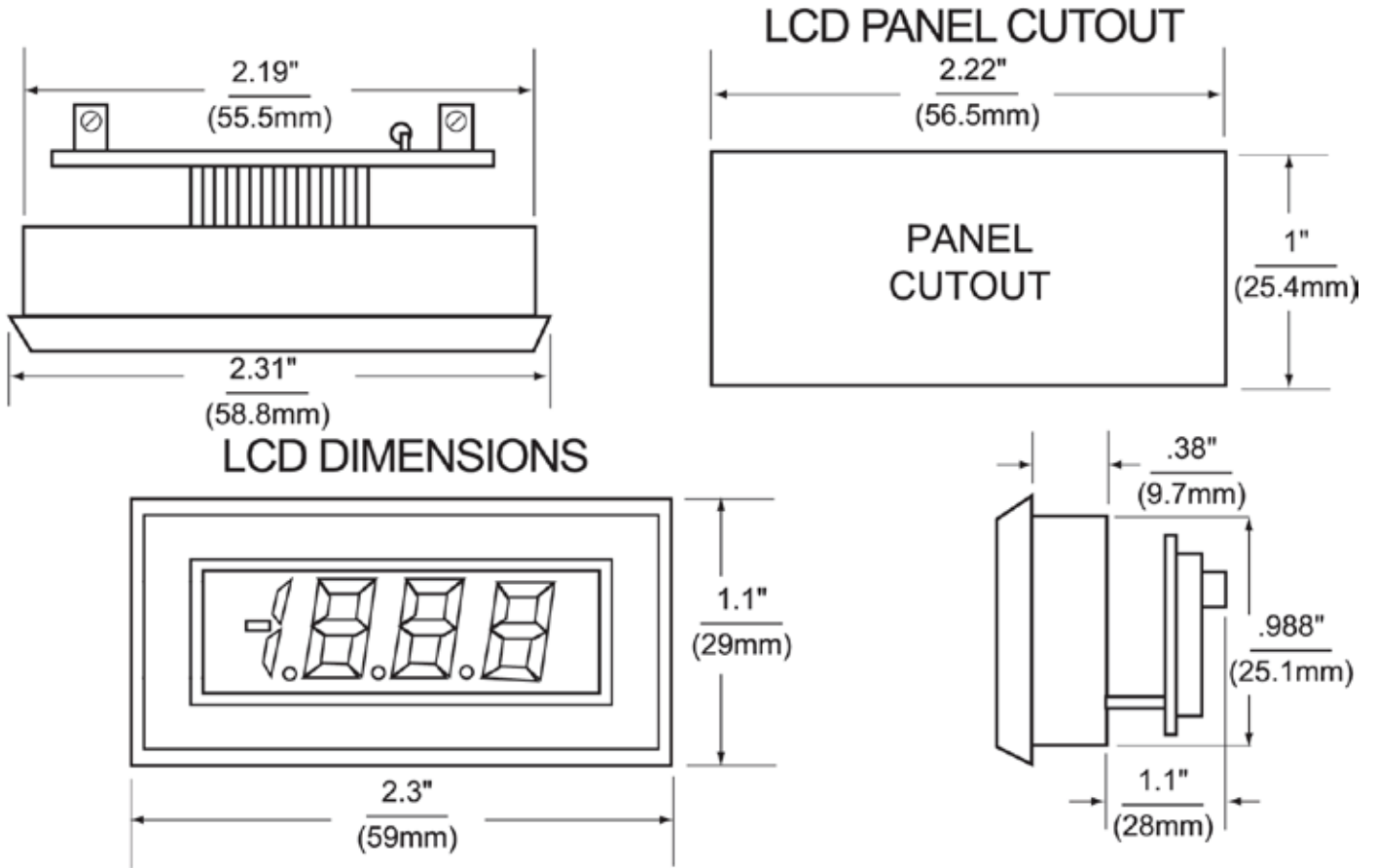
### Ordering Information

Part Number	Meter Input
HLPI-1T	4 to 20mA Loop Powered



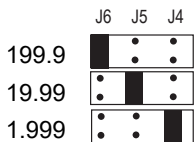
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### Dimensions



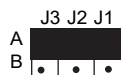
### Wiring

#### 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

