



## LEVEL TRANSMITTERS UNIVERSAL PANEL METER



- 4.5 digital panel meter with optional 2 or 4 relay outputs and an isolated 4-20 mA repeater
- Large LED digits stand 0.56" with display units up to ±199990
- Offered in both 120 and 240 VAC powered configurations
- Built in 24 VDC power supply drives level transmitters
- Simple push button calibration for all process set points
- LED indicators provide relay and alarm status feedback
- Linearization function for odd shaped tanks or flumes
- NEMA 4X faceplate with high impact plastic enclosure
- Adjustable dead band dampens out relay chatter
- Security lock out protects user defined set points

MODEL LI10-1001



MODEL LM93-1001



### APPLICATION

For AC powered indication and optional relay control, package the universal panel meter with any of our level transmitters. The general purpose DIN meter is commonly used for the remote indication of tank level in custom engineering units.

The optional 2 or 4 relay outputs provide a variety of process control functions with pumps, valves and alarms. With a built-in power supply and optional analog repeater, the universal panel meter offers a complete solution for single tank applications.

### SPECIFICATIONS

Supply voltage: 120VAC (240 VAC), 50-60 Hz.  
 Consumption: 5 Watts  
 Sensor input: (1) transmitter  
 Input signal: 4-20 mA, 1-5 V, 0-5 V or 0-10V  
 Sensor supply: 24 VDC @ 25 mA  
 Loop power: 4-20 mA, 18 VDC  
 Loop resistance: 1200 ohms @ 36 VDC  
 Accuracy: 0.05% of span  
 Display type: LED, 4.5 digit  
 Calibration range: Entire meter  
 Calibration adjust.: Push button  
 Linearization: (11) point function  
 Security: Lock out jumper  
 Temp. rating: F: -40° to 158°  
 C: -40° to 70°  
 Enclosure rating: 1/2 DIN, NEMA 4X faceplate  
 Enclosure mat'l: High impact plastic, U.L. 94 VO  
 UL file number: E160849  
 CE compliance: EN 50082-2 immunity (pending)  
 EN 55011 emission  
 EN 61010-1 safety

### Relays

Relay type: (2 or 4) SPDT  
 Relay rating: 250 VAC, 2A, 1/14 hp.  
 Relay mode: Selectable NO or NC  
 Relay dead band: 0-100% of span  
 Relay fail-safe: Power fail-safe  
 Relay indicators: LED status lights  
 Repeater output: 4-20 mA, 24-36 VDC  
 Repeater loop resist: 1000 ohm @ 36 VDC

### NEMA Box

Enclosure rating: NEMA 4X  
 Enclosure window: Clear polycarbonate



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Universal Panel Meter		STARTS FROM
LI1 <input type="checkbox"/> - 1001		\$ 280
<b>Configuration</b> (1) (2) (3) <input type="checkbox"/>		Add \$ _____
0 - Meter only 1 - Meter with 4-20mA (add \$130) 2 - Meter with 2 relays (add \$80) 3 - Meter with 2 relays and 4-20mA (add \$230) 4 - Meter with 4 relays (add \$250) 5 - Meter with 4 relays and 4-20mA (add \$320)		Total \$ _____

To order the CE approved transmitter configuration, place CE at the end of the part number (ex: LI10-1001-CE) and add \$30.00.

To have the supply voltage factory configured to 240 VAC, place an E at the end of the part number (ex: LI11-1001-E).

The LM92-1001 single meter NEMA box can be purchased separately for \$190.00. The LM93-1001 two meter NEMA box can be purchased separately for \$280.00.

LEVEL SUPERSTORE