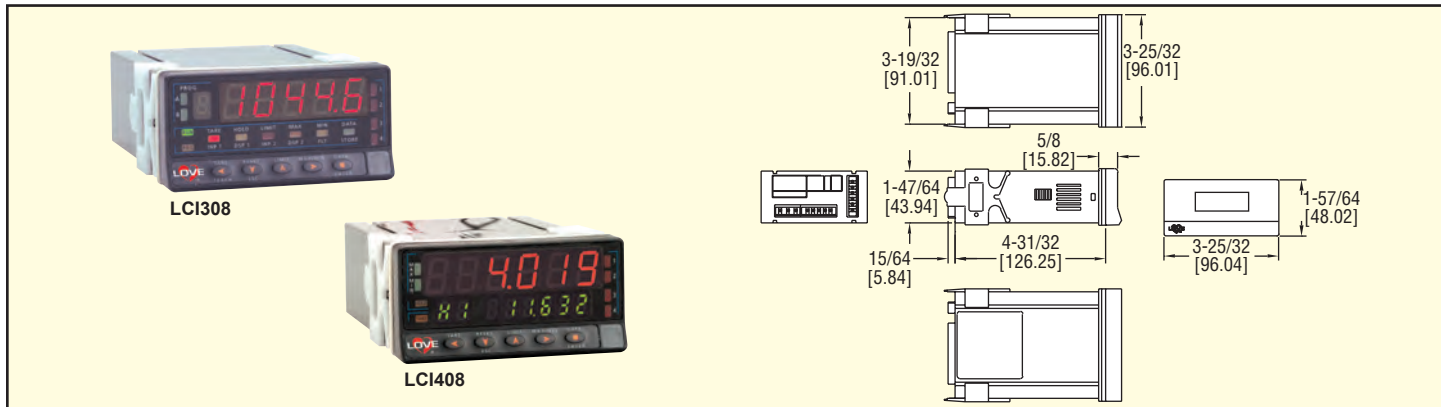




Series
LCI308
&
LCI408

Panel Meter Indicators

1/8 DIN, High Accuracy, Peak & Valley Display



The Series LCI308 and LCI408 panel meter indicators offer flexibility and value in a standard 1/8 DIN package. This family of indicators offers input availability for virtually all types of process measurement.

The LCI308 offers a 4-3/4 digit display scalable to $\pm 32,000$ counts. This flexible indicator is available for Process Inputs (0 to 10VDC, 4 to 20 mA, etc. and potentiometer inputs).

The LCI408 has a universal input that accepts the Process, Temperature, and Load Cell inputs of the LCI308, plus a Potentiometer input. The full 5-digit display can be scaled between ± 99999 counts. The dual display allows simultaneous display of the measured value plus other values such as peak or valley.

Options include relay and transistor set point outputs, BCD Parallel output, RS-232/RS-485 computer communications, and 4 to 20 mA analog retransmission.

SPECIFICATIONS

Inputs: Process, temperature (T/C & RTD), frequency/counter, load cell (dependent on model number).

Input Impedance:

- Process: Voltage, 1 M Ω ; current, 12.1 Ω ;
- Load cell: 100 M Ω for 300 mV, 1 MW for 30 mV.

Display: 5 digit, 7 segment, 14 mm red with a fixed decimal point. 14 LEDs (programming & control).

Accuracy: $\pm 0.1\%$ of reading (+2 count). Thermocouples: $\pm 0.4\%$ of reading for types J, K, T, & E; $\pm 0.05\%$ of reading for types R & S. RTD: $\pm 0.2\%$ of reading.

Power Requirements: 115/230 VAC 50/60 Hz $\pm 10\%$.

Power Consumption: 3 W max.

Weight: 8 oz (250 g).

Front Panel Rating: NEMA 4X (IP66).

Agency Approvals: CE.

Part Number	Description
LCI308-00	1/8 DIN Indicator, ± 10 VDC, ± 20 mA DC, Potentiometer
LCI408-00	1/8 DIN Indicator, Universal Input

Consult Factory for add-in option cards.

Input Ranges

Input Type	Range °F	Range °C
Type J Thermocouple	-58.0 to +1472.0	-50.0 to +800.0
Type K Thermocouple	58.0 to +2282.0	-50.0 to +1250.0
Type T Thermocouple	-328.0 to +752.0	-200.0 to +400.0
Type R Thermocouple	+32.0 to +3182.0	0.0 to 1750.0
-Type S Thermocouple	-58.0 to +3182.0	-50.0 to +1750.0
Type E Thermocouple	-58.0 to +1832.0	-50 to +1000.0
100 Ohm Pt. 0.00385 DIN RTD	-328 to 1472.0	-200.0 to +800.0
100 Ohm Pt. 0.00392 NIST RTD	-328 to 1607	-200 to +875
Process (Includes excitation power supply)		
± 10 V	Scalable Units from -32000 to + 32000 (LCI308); -99999 to +99999 (LCI408)	
± 20 mV	Scalable Units from -1999 to +19999	
Digital - Frequency/Counter (Includes excitation power supply)		
0.1 to 25,000 Hz		
Potentiometer	Resolution to 0.001% (LCI408)	
Load Cell (includes excitation power supply)	± 30 mVDC	

ACCESSORIES

- LCIA-01,** Dual Relay Card. Two SPDT relays, 8A @ 240 VAC
- LCIA-02,** Quad Relay Card. Four SPST relays, 0.2A @ 240 VAC
- LCIA-03,** Quad Transistor Output Card. Four NPN optically coupled transistors, 50 mA @ 50 VDC max.
- LCIA-04,** Quad Transistor Output Card. Four PNP optically coupled transistors, 50 mA @ 50 VDC max.
- LCIA-05,** Analog Retransmission, 4 to 20 mA DC or 0 to 10 VDC, selectable.
- LCIA-07,** BCD Output Card.
- LCIA-08,** RS-232 Serial Communication (Modbus® Protocol)
- LCIA-09,** RS-485 Serial Communication (Modbus® Protocol)
- MN-1,** Mini-Node™ USB/RS-485 converter

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