



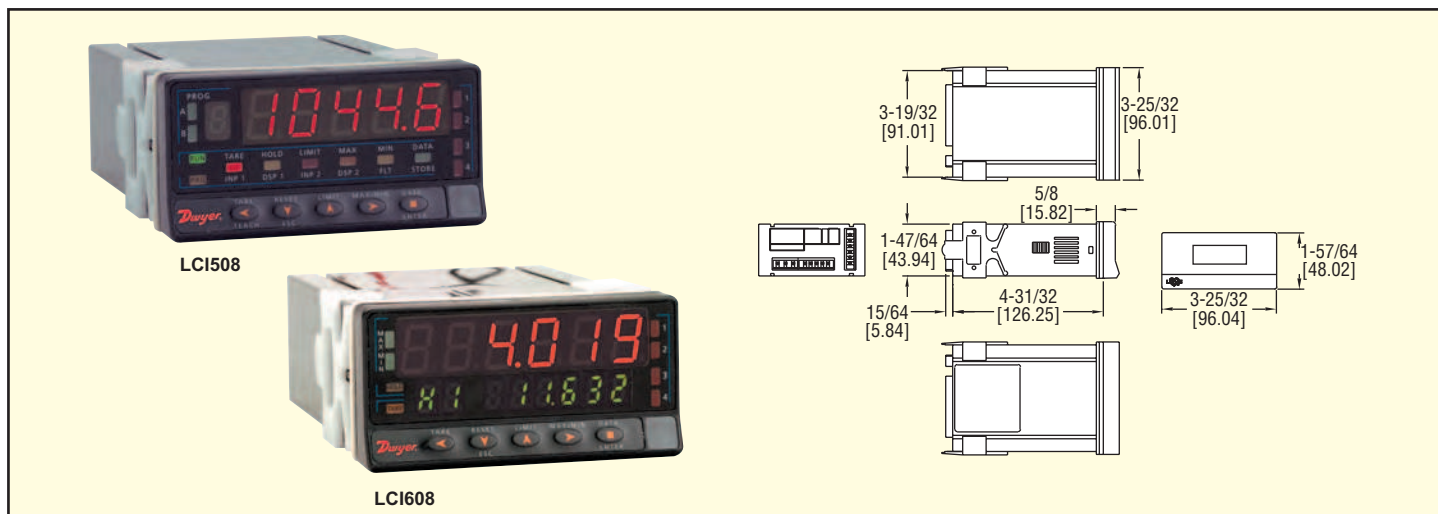
Series  
LCI508  
&  
LCI608

# Digital Panel Meters

1/8 DIN, Process, Load Cell & Potentiometer Input

PROCESS CONTROL

Panel Meters/  
Indicators



The Series LCI508/608 Digital Panel Meters offer high performance and a multitude of features for displaying and manipulating input variables. The unit accepts analog process input, load cell and potentiometer inputs. Standard features include data hold, peak and valley display, store function, tare function and reset. Both models offer a built-in excitation power supply. The Series LCI508/608 can be fitted with optional output modules for control capabilities. The Model LCI508 is designed with 31 programmable functions and a high conversion rate of 555 reads per second. Up to 30 points can be set using the multipoint scaling function for non linear applications. The Model LCI608 is designed for measuring and integrating analog signals containing two sets of information simultaneously (for example Flow and Totalization). The units can be configured to accept and display two analog input signals and allowing interaction between them. The model LCI608 offers 26 logical programmable functions.

## SPECIFICATIONS

- Input:** Voltage process:  $\pm 5$  and  $\pm 10$  V (input impedance:  $1M\Omega$ ); Voltage:  $\pm 0-1V$  (input impedance:  $100M\Omega$ ); Current input:  $\pm 0-20$  mA (input impedance:  $11.8\Omega$ ).
- Load-Cell:** Voltage input:  $\pm 30$ ,  $\pm 60$ ,  $\pm 120$ ,  $\pm 300$ ,  $\pm 500$  mV (input impedance:  $100M\Omega$ ); 4-wires, unipolar or bipolar.
- Potentiometer Input:** Minimum resistance:  $120\Omega$  (input impedance:  $>10 M\Omega$ ). Excitation voltage: 2.2 V.
- Excitation:** 2.2 V @ 30 mA not adjustable. 24 V @ 30 mA not regulated. 5 V  $\pm 100$  mV @ 120 mA with fine adjust (50ppm/ $^{\circ}C$ ). 10 V  $\pm 10$  mV @ 120 mA with fine adjust (50ppm/ $^{\circ}C$ ).
- Display:** Main display: -9999/9999, 5 red digits, 7 segments. Aux. display: -9999999 / 9999999, 8 green digits 8 mm (LCI608 only). Decimal point: Programmable (both displays).
- Sampling Rate:** LCI508: 555/s; LCI608: 100/s.
- Accuracy:** Error max:  $\pm 0.1\%$  reading +2 digits.
- Temperature Coefficient:** 50 ppm/ $^{\circ}C$ .
- Warm up time:** 10 minutes.
- Power Requirements:** 115/230VAC 50/60Hz. Consumption (without options): 5W.
- Ambient Operating Temperature:** 14 to 140 $^{\circ}F$  (-10 to 60 $^{\circ}C$ ).
- Storage Temperature Range:** -13 to 185 $^{\circ}F$  (-25 to 85 $^{\circ}C$ ).
- Panel Cutout:** 3.6 x 1.8" (92 x 45 mm).
- Weight:** 21 oz (600 g).
- Case Material:** s/UL 94 V-0 polycarbonate.
- Front Panel Rating:** NEMA 4X (IP65).

- Model LCI508-00, Panel Meter
- Model LCI608-00, Panel Meter/Totalizer

## 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 mADC or 0 to 10 VDC, selectable.
- LCIA-07, BCD Output Card.
- LCIA-08, RS-232 Serial Communication (Modbus<sup>®</sup> Protocol)
- LCIA-09, RS-485 Serial Communication (Modbus<sup>®</sup> Protocol)
- MN-1, Mini-Node™ USB/RS-485 converter