

# Loop Powered Digital Indicator Model LPI

**4-Digit LED Display**

**NEMA-4 Rated**

**Programmable Zero and Range**

**Pressure transducer with integral  
LED display requires no additional  
wiring or power supply.**

The Model LPI features a loop-powered, 4-digit LED display conveniently mated to a 0.25% accuracy pressure transducer. Ranges from 25 to 10,000 psi are available, with gage, absolute, vacuum, or compound reference. A standard 4-20mA loop powers both the pressure sensor and the digital readout and eliminates the need for additional wiring or power supplies.

The Model LPI provides an instant on-site display with a range from -1999 to +1999. The bright red LED display is 5/16" tall and has over-range, under-range, and polarity indication. Sampling rate is adjustable from once per three seconds to once per 20 seconds. The rugged, Nylon composite housing carries a NEMA-4 rating, making it ideal for a variety of applications.

The readout is user-programmable via a two button menu, and selectable parameters include scaling, sample rate, decimal point location, and error status. The data is stored in an EEPROM memory. For additional information, visit our web site at [www.dctinstruments.com/lpi data.htm](http://www.dctinstruments.com/lpi data.htm)



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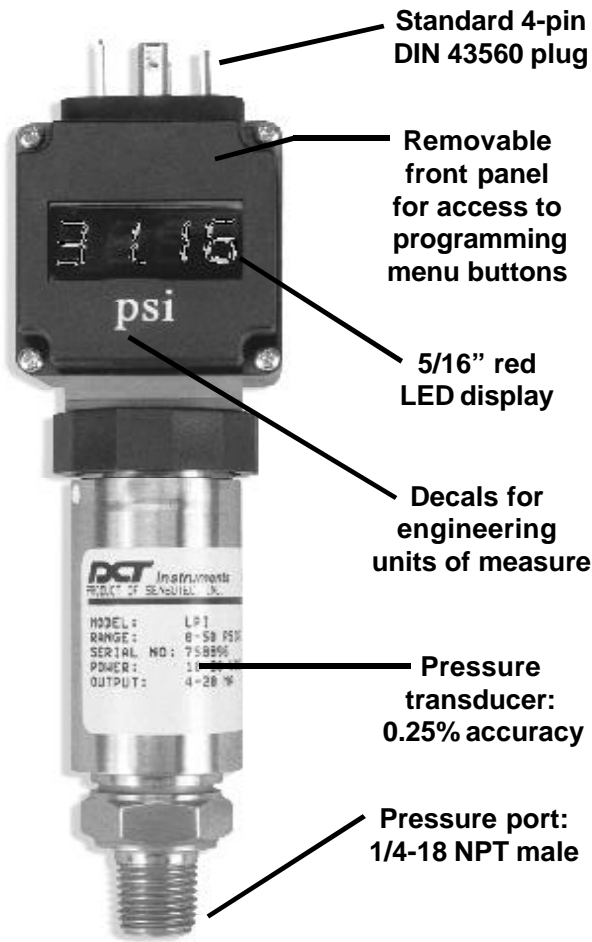
**DCT Instruments**

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## SPECIFICATIONS

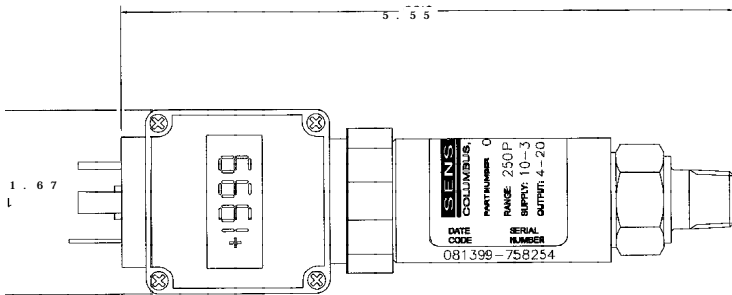
- # Characters Displayed: 4
- Polarity Indication: Yes
- Power Requirements: Loop powered via 4-20mA input line; Voltage load: 5 Volts
- Conversions Per Second: User programmable  
1 per 3 seconds up to 20.0 per sec.
- Scaling Method: User programmable via two-button menu
- Decimal Point Selection: User programmable
- Range: User programmable
- Zero Point: User programmable
- Overrange Indication: Yes; Hi/Lo
- Display Size: 5/16"
- Engineering Units: Decals for psi, bar, kN, TO, mbar
- Resolution: 1/20000
- Temperature, Operating: 32°F to 140°F (0°C to 60°C)
- Electrical Connection: 4-pin Hirschmann, DIN 43560
- Case Material: Nylon®, plexiglas
- Pressure Port: 1/4"-18 NPT male
- Accuracy: 0.25% BFSL
- Pressure Range: 0-25 to 0-10,000 psi



## ORDERING INFORMATION

ORDER CODE <i>Sample</i>	LPI	B	200	G	A
<b>SERIES</b>	LPI = 0.25% Accuracy				
<b>POWER</b>	B = 4-20mA loop power				
<b>PRESSURE RANGE (PSI)</b>	25 = 0-25    250 = 0-250    3K = 0-3000 50 = 0-50    500 = 0-500    5K = 0-5000 100 = 0-100    1K = 0-1000    7.5K = 0-7500 150 = 0-150    2.5K = 0-2500    10K = 0-10000				
<b>REFERENCE</b>	G= Gage (std) reads zero at atmosphere A= Absolute (opt) reads zero at vacuum (15 psi or higher) V= Vacuum (opt) scaled in In Hg (15 psi or lower) C= Compound (opt) reads both positive & negative (vacuum) pressure				
<b>ELECTRICAL CONNECTION</b>	A = DIN 43560, 4 Pin				

## DIMENSIONS



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