

LPN / LPI Transmitters

Differential Pressure Transmitter Light Intensity Transmitter ph Transmitter & Probes

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Differential Pressure Transmitter

LPN-DP

Features.

- 4~20mA Loop Powered Output.
- Very Low Pressure Resolution.
- Wide range selection.
- Integral Display.
- Stable Processor Technology.
- Temperature Compensation.
- IP67 Enclosure.
- Fast Response Time.
- High Accuracy & Linearity.
- Compact Size.
- Reverse Polarity Protection.
- Low Cost.
- Easy to Install.

Description.

The LPN-DP Series Differential Pressure Transmitters provide a very cost effective solution for pressure applications that require high accuracy over very low operating pressure ranges. The sensor is a solid state device and hence offers reliability and long life. The series is designed for use with non-corrosive, non-ionic working fluids such as air, dry gases and the like. The LPN-DP can be used to measure bipolar differential, gauge pressure or vacuum.

Ordering Information

Model:LPN-DP-100mmProgrammable spans from 20mm to 200mm WG. Factory set to 0~100mm W.G.LPN-DP-1000mmProgrammable spans from 200mm to 2000mm WG. Factory set to 0~1000mm W.G.LPN-DP-100KPaProgrammable spans from 20Kpa to 200Kpa. Factory set to 0~100kPa.

Features:

- Very low pressure resolution.
- Wide range selection.
- Integral Display.
- Stable processor technology.
- Temperature compensation.
- IP67 enclosure.
- Fast response time.
- High accuracy & linearity.
- Reverse polarity protection.
- Easy to install.
- Low cost.

Typical Applications.

- HVAC monitoring of:
 - ♦ Filter Differential Pressures.
 - ♦ Fan Static Pressures.
 - Olean Room Pressures.
 - ♦ Variable Air Volume Systems.
 - ◊ Velocity Pressures.
 - Analytical Instruments.
- Liquid Level Measurement.
- Leak Detection.
- General Automation.





Light Intensity Transmitter

LPN-LUX

Features.

- 4~20mA Loop Powered Output.
- Various Lux Ranges Available.
- High Accuracy.
- IP67 Enclosure.
- Low Cost.
- Easy to Install.
- Reverse Polarity Protection.





The LPN-LUX incorporates an integrated light sensor, in an industrial IP66 rated sealed enclosure, and is especially designed for high precision linear applications. The sensor has a flat glass window with a built in colour correction filter, giving an approximation to the spectral response in the human eye.

Ordering Information

LPN-LUX

Standard Calibration: 0~1000lux Nominal. Special Calibration Ranges available: 0~100, 0~500, 0~5000, 0~10000lux.

Typical Applications.

• Warehouse energy saving with light monitoring and control.

pH Transmitter

LPI-pH

Features.

- 4~20mA Loop Powered.
- Isolated Input to Output 2.0kV.
- Bi-Polar pH Cell Input.
- IP67 Enclosure.
- Liquid Crystal Display (LCD) 0~14.00pH.
- High Accuracy.
- 40~200mV Output Test Signal.
- LED Indication of Loop Current.
- Low Cost.
- Easy to Install.
- Reverse Polarity Protection.
- Internally Accessible, finger adjustable, SLOPE & OFFSET adjustments.
- Selectable Automatic or fixed Probe
- Temperature Compensation.

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CE

pH Transmitter

LPI-pH

Description.

The LPI-pH is the device to choose when a pH probe is installed in a corrosive, damp, high earth current or electrically noisy environment. The IP67 rating of the transmitter enclosure, together with the corrosion proofed circuit board, give the LPI-pH high immunity to damp and corrosion, allowing it to be mounted close to the pH probe. Having the transmitter close to the pH probe means that the highly sensitive pH probe output signal is amplified and turned into a robust 4~20mA signal before noise exposure from long cable runs can effect it.

The unit also features internally accessible, finger adjustable, 15 turn slope and offset adjustments, for easy calibration of the pH sensor, in conjunction with the LCD Display.

The 4~20mA output from the LPI-pH can be run for long distances to better environments where standard process controllers can be used safely. The LPI-pH fills a niche where it has often been necessary to install low IP rated, dedicated pH instruments in an aggressive environment.

Ordering Information

LPN-pH

Standard Unit: 0~14pH In, 4~20mA Out, with LCD.

