

# pH Transmitter with 4-20 mA Galvanically Isolated Output – HI8614-Without LCD

SKU: HI 8614N

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## RESUMEN

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The HI8614N and HI8614LN are a water-resistant pH transmitters designed to be used with a standard high impedance pH probe with BNC connector. The signal is then processed by a special high impedance amplifier, which transmits an output current directly proportional to the input signal but independent of changes in load or cable capacitance.

- Temperature compensation ensures fast, accurately compensated readings even during sudden temperature fluctuations.
- Water resistant design for use in process control.
- HI8614LN has optional backlit, LCD display for easy viewing (no LCD on HI8614N)

## DESCRIPCIÓN

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### HI8614 pH Transmitter

**Two-Wire pH Transmitters** HI 8614 is a 2-wire water-resistant transmitter specifically designed for long distance measurement of pH in industrial applications. Two-wire transmitters are widely used for process control in industry. These instruments are particularly useful in industrial conditions where electrical interference is an important factor. By galvanically isolating the signals, any interference created is prevented from reaching the transmitter. Industrial environments are often associated with corrosive conditions, therefore any instrumentation used must be resistant to liquids and corrosion. Hanna transmitters meet all of these criteria and they only use two wires which reduces costs and eliminates the need for an expensive coaxial cable. Two-wire transmitters are ideal when used in remote applications that do not have AC power available.

## HI8614 pH Transmitter FEATURES/BENEFITS:

### Automatic Temperature Compensation (ATC)

- Temperature compensation is performed by the transmitter's ATC (Automatic Temperature Compensation) circuitry when measurements are taken with a temperature probe attached; if ATC is not required, it is also possible to substitute a fixed resistor for the temperature probe.

### IP Protection

- The unit is enclosed in a protective casing conforming to IP 65 standards.

### Flexible for Your Needs

- The transmitter can be connected to any Hanna controller that accepts analog input.

### Easy Calibration

- Calibration is performed by the adjustment of two independent trimmers ? slope and offset.

### BNC Connector

- The transmitters use a universal BNC socket for quick and secure connection to any electrode with a BNC connector.

### Isolated Input

- The input is isolated from the current loop to eliminate problems related to ground loop, low insulation cables, multiple electrode connections, and a common mode voltage of up to 100V ensures true differential readings

### Version with LCD?

- HI8614?L? versions allow easy verification and monitoring of measured values and is easier to calibrate and maintain.

### Easy Installation

- HI8614 is very easy to install, wall mounted transmitter. It is supplied with 4 mounting screws

