HI8614LN with LCD

HI8614N · HI8614LN · HI8615N · HI8615LN

pH and ORP Transmitters

with 4-20 mA Galvanically Isolated Output

- ATC for pH models
  - Automatic temperature compensation
- Waterpoof
  - Water resistant
- Backlight
  - Backlit, LCD display for "L"models

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.

These transmitters can be connected to Hanna controller HI8510, HI8710 or HI8711, recorders, computers or any data monitoring device that accepts 4 to 20 mA input.

HI8615N and HI8615LN have been designed for transmitting ORP measurements from remote locations. These transmitters features two controls (one for 4 mA and one for 20 mA) to compensate for electronic drift and ambient temperature.

These transmitters can be connected to Hanna HI8512, HI8720, or any recorders, computers or any data monitoring device that accepts 4 to 20 mA input.

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

HI8614N without LCD

Specifications	HI8614N • HI8614LN	HI8615N • HI8615LN
Range	0.00 to 14.00 pH; 4-20 mA	±1000 mV; 4-20 mA
Resolution (for "L" models)	0.01 pH; 0.01 mA	1 mV; 0.01 mA
Accuracy (@25°C/77°F)	±0.02 pH; ±0.02 mA	±5 mV; ±0.02 mA
Calibration	offset: ±2 pH; ±2.2 mA; slope: 86 to 116%; ±0.5 mA	offset: ±100 mV; ±0.8 mA slope: 90 to 110%; ±0.8 mA
Temperature Compensation	fixed or automatic from 0 to 100°C (32 to 212°F) with Pt100 probe	–
Input Impedance	10^{12} Ohm	
Recorder Output	4-20 mA (isolated)	
Protection	IP65	
Power Supply	HI8614N: 18-30 VDC; HI8614LN: 20-36 VDC	HI8615N: 18-30 VDC; HI8615LN: 20-36 VDC
LCD display	only for HI8614LN	only for HI8615LN
Load	max 500 Ohm	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Dimensions	165 x 110 x 71 mm (6.5 x 4.3 x 2.8")	
Weight	1 kg (2.2 lb.)	
Ordering Information	**HI8614N** and **HI8614LN** (with display) is supplied with instructions.	**HI8615N** and **HI8615LN** (with display) is supplied with instructions.

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