**pH Controller and Transmitter**

**PHCN-961**

- Measure Temperature and Control pH or ORP
- Built-In Memory Backup When Power Fails
- NEMA 4X (IP65) Wall or Panel Mount Enclosures
- -2 to 16 pH Range
- 4 to 20 mA Output
- Display 4-Digit LCD 13.7 mm (0.54”)
- LCD Blue Backlight
- RS485 Communications

The PHCN-961/962 series of pH controller and transmitter provides a reliable method of monitoring and controlling pH in water treatment, electrolytic water cleaning, chemical industry, food process, cleaning water or wastewater treatment, and neutralization processes.

The controller’s standard features include a digital display capable of displaying pH readings between -2 and 16 pH or ORP readings between -2000 and 2000 mV. Additional features include temperature, and status of relays, adjustable dual alarm set points, dead band adjustments of 0.01 to 2 pH of the setpoint, and menu-driven program to set up pH or ORP calibration.

The PHCN-961/962 is a basic pH or ORP controller, it includes a NEMA 4X (IP65) enclosure, digital display, two separate setpoints for high and low alarms, adjust dead bands, three 1 A SSRs. Accepts one pH or ORP electrode input through supplied pH transmitter.

**Specifications**

- pH Range: -2.00 to 16.00 pH
- pH Resolution: 0.01 pH
- pH Accuracy: ±0.01 pH
- mV Range: -1999 to 1999 mV
- mV Resolution: 1 mV
- mV Accuracy: ±1 mV
- Temperature Range: -9.9 to 130°C
- Temperature Resolution: 0.1°C
- Temperature Accuracy: ±0.5°C
- Temperature Sensor: 1000 Ω Pt RTD
- Temperature Compensation: Automatic with ±10°C offset adjustment or manual
- Cleaning/Recalibration Notification: Programmable from 1 to 999 hours
- pH Deadband Adjust: 0.01 to 2 pH
- ORP Deadband Adjust: 1 to 200 mV
- Relay Output: Three SPST relays, rated 250V @ 1 A
- Analog Output: 0 to 20 mA/4 to 20 mA isolated current output
- Signal Output Load: 600 Ω
- pH/ORP Input: BNC connector
- Input Impedance: 1013 Ω
- Communications: RS485 client program
- Power: 110 or 220 Vac, 50 or 60 Hz
- Display: 4-digit LCD, 13.7 mm (0.54”); blue backlight
- Operating Ambient: -10 to 50°C (14 to 122°F); 10 to 95% RH, non-condensing

**To Order**

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<td>Panel mount pH controller</td>
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<td>PHCN-962</td>
<td>Wall mount pH controller</td>
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**To download information and to order Industrial pH Instrumentation and Electrode products online, visit omega.com**