



INDUSTRIAL pH INSTRUMENTATION & ELECTRONICS

pH/ORP Indicator with Analog and Digital Displays

PHCN-5700
\$850



- ✓ On-Off or Pulse Output for Pump control
- ✓ Simple Pushbutton Operation
- ✓ Buffer Recognition
- ✓ Auto or Manual Calibration Menu
- ✓ 12 to 24 Vdc/ac Powered
- ✓ pH or ORP Sensor Recognition

Operational simplicity is the most noticeable feature of the PHCN-5700 pH/ORP indicator. The software automatically identifies the signal from the sensor and presents the correct operating menu for pH or ORP applications. The analog dial provides easy visibility while the alphanumeric LCD shows precise pH and temperature values. Simple push-button programming displays millivolt, pH, and temperature values. Calibration menus feature a unique automatic calibration, including buffer recognition of the most commonly used pH and ORP values.

Specifications

Requires pH/ORP Pre-amplifier/
Sensor System

Compatible Sensors: PH-2720-PA
preamplifier with PHE-3271, PHE-2716,
ORE-2715 and ORE-2717

Accuracy: $\pm 0.2\%$ of full scale

Input Range:

pH: 0 to 14, optically isolated

Temp. comp.: -15 to 120°C (5 to 248°F)

ORP: -1,000 to +1,000 mV,
optically isolated

Auto Sensor Recognition:

pH: approx. 3K Ω

ORP: approx. 10 K Ω

Power: 12 to 24 Vdc or 12 to 24 Vac
50 to 60 Hz, 10W Max

Relay Outputs (2):

5 A @ 120 Vac / 3 A @ 230 Vac

5 A @ 30 Vdc

Selectable Hi/Lo alarm with adjustable
hysteresis or proportional pulse

Current Output:

4 to 20 mA: non-isolated,
internally powered

Loop impedance:

350 Ω max. @ 12 V

950 Ω max. @ 24 V

Standard range: pH: 0-14,


ORP: -1,000 to $\pm 1,000$ mV

Accuracy: $\pm 0.1\%$

Dimensions: 97 L x 97 W x 76 mm D
(3.8 x 3.8 x 3.0")

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
PHCN-5700	\$850	pH/ORP Indicator with analog & digital displays. Reversible pH and ORP dial face included
CM-4554	140	Reference Book: CRC Handbook of Chemistry and Physics 

Comes with complete operator's manual.

Ordering Example: PHCN-5700, pH/ORP Indicator with analog & digital displays, \$850.

omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

FRANCE

www.omega.fr

0800-466-342

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters