



## Industrial Wall Mount Controllers/Recorders for pH or ORP

### PHCN-371A Series



- ✓ Control and Record pH or ORP
- ✓ NEMA Box Enclosure Single Input with Paper Recorder
- ✓ Display 4-Digit LED 13.7 mm (0.54")
- ✓ Microprocessor Based Versatility
- ✓ Compact Panel Design



PHCN-371A-ORP shown smaller than actual size.

The PHCN-371A Series of pH or ORP recorders and controllers provides a reliable method of monitoring, controlling and recording pH or ORP for various industrial and chemical processes. The PHCN-371A has an impressive list of standard features which include NEMA-4X enclosure, digital display, paper or paperless data logging, relay output and manual or automatic temperature compensation.

The PHCN-371A series features an inkless pressure sensitive paper recorder. The PHCN-371A series pressure sensitive recorder and controller will record up to 30 days of process data. Choose between either a single or dual parameter monitoring system of pH or ORP.

The pH and ORP controller is a new microprocessor based design featuring manual or automatic temperature compensation, two mechanical relays for on-off control, digital display of either pH, ORP or temperature, calibration and parameter setpoints are programmable through the front keypad.

#### Paper Recorder

- Range:** 2 to 12 pH
- Resolution:**  $\pm 0.2$  pH/lateral chart deviation
- Accuracy:**  $\pm 0.2$  pH
- Temperature Compensation:** Manual supplied with fixed resistor. Automatic 1000  $\Omega$  platinum RTD

#### Input Type

Input Code	Range	Description
PH	0 to 14 pH; 0 to 100°C (32 to 212°F)	pH controller with temperature compensation
ORP	$\pm 2$ Vdc (200 mV)	ORP controller

### Specifications

#### Common Specifications

**Control Outputs:** 2 SPDT 6 amp relays, programmable for active above or below setpoint latch or non-latching

**Power:** 115 Vac 50/60 Hz; 230 Vac optional

#### pH Controller

**Range:** pH 0 to 14; Temperature 0 to 100°C (32 to 212°F)

**Resolution:** 0.01 pH; 0.1°C

**Accuracy:** 0.01 pH;  $\pm 0.1$ °C

**Display:** 4-digit red LED, 13.7 mm (0.54")

**Temperature Compensation:** Manual or automatic 0 to 100°C (32 to 212°F) using PT100  $\Omega$  RTD

**Connector:** pH-BNC; Temperature-terminal strip

#### ORP Controller

**Range:**  $\pm 2$  Vdc ( $\pm 2000$  mV)

**Display:** 4-digit red LED, 13.7 mm (0.54")

**Resolution:** 0.1 mV

**Accuracy:** 0.1 mV @ 25°C

**Decimal Point:** 2 position autoranging

### To Order

Model No.	Description
PHCN-371A-(* )	Single input controller and paper recorder
PHCN-55	Battery-powered pH recorder

\* Specify input code: "PH" (pH controller), "ORP" (ORP controller).

**Note:** For 230 Vac power add "-230" suffix to model number, no additional charge. Comes complete with operator's manual.

### Accessories

Model No.	Description
PHCN-45-CHART	2 to 12 pH chart paper
SL-652	ORP generic chart paper

**Ordering Example:** PHCN-371A-PH, single input pH controller/recorder.