

Industrial pH Controller/Recorders



PHCN-50 Series

£815

Basic Unit

- ✓ 6 Models to Choose
- ✓ Measure, Control and Record pH
- ✓ Range of 2 to 12 pH
- ✓ IP65 Wall Mount Enclosure Standard
- ✓ Includes Two Wire 4 to 20 mA Transmitter
- ✓ Optional ORP Controller

The PHCN-50 Series of pH recorders and controllers provides a reliable method of monitoring, controlling and recording pH levels of various industrial and chemical processes. Featuring an extensive list of standard features, the PHCN-50 series includes a digital display, digital switches for alarms setpoints, remote mount pH 4 to 20 mA transmitter, 6 amp solid state relays, front panel adjustable dead band pots and IP65 enclosure.

The controllers standard features include a digital display capable of displaying pH readings between 2 and 12 pH, adjustable dual alarm setpoints, dead band adjustments from 1 to 50% of setpoint, programmable time safety delay which activates when pH correction time is excessive and a stand by switch that disables the controller functions during calibration.

The recorder utilises inkless pressure sensitive recording paper for 30 days of recording and front panel mounted calibration adjustments.

PHCN-50 pH recorder includes a digital display, enclosed in an IP65 enclosure and accepts pH electrodes directly. Supplied with one 30-day roll of recorder paper.

PHCN-51 is a basic pH controller, it includes an IP65 enclosure, digital display, two setpoints for high and low alarm, adjustable dead band, two 6 amp SSR. Accepts one pH electrode input through supplied pH transmitter.

PHCN-52 pH recorder and pH controller combines the features of the PHCN- 50 and PHCN-51 into one compact unit. It accepts one electrode through the transmitter that drives the recorder, controller and digital display. Supplied with the PHCN-52 is one 30-day roll of recorder paper.

PHCN-53 pH recorder/controller uses two independent pH probes in a wall mounted IP65 enclosure. Each pH electrode performs a separate function. The electrode input from the supplied pH transmitter drives the digital display and controller the second pH electrode drives the recorder directly. The recorder electrode may be placed downstream from the control point to record the adjusted values. Supplied with the PHCN-53 is one 30-day roll of recorder paper.

PHCN-54 is a versatile dual pH controller. The PHCN-54 accepts two separate electrode inputs and can adjust pH at two separate locations. The dual pH model is supplied with two 4 to 20 mA pH transmitters. When one of the two controllers is configured with the optional ORP controller, it may be used for cyanide destruction or chrome reduction. Supplied with the PHCN-54 is one 30-day roll of recorder paper.

The battery powered PHCN-55 pH recorder (not shown) is perfect for use in hostile environments and remote locations, the battery powered recorder is enclosed in an IP65 enclosure. It uses a 6V rechargeable battery that may be left unattended for approximately 2 weeks. The PHCN-55 accepts any pH electrode directly. Supplied with the PHCN-55 is one 30-day roll of recorder paper.





The PHCN-53 is supplied complete with rugged IP65 case, pH transmitter and pocket thermometer. Electrodes purchased separately.

Shown Smaller Than Actual Size.

PHE-6510 PH Electrode with PHE-65-10 ordered separately, see page N-23

K-9 Pocket thermometer (included)

PHTX-212 transmitter included.

SPECIFICATIONS

pH Recorder
Display: None
Range: 2 to 12*
Resolution: 0.2 pH/lateral chart deviation
Accuracy: ±0.2 pH
Repeatability: ±0.2 pH
Temperature Compensation: Manual supplied with 1093 Ω resistor; Automatic 1000 Ω platinum RTD
Power Requirements: 110 or 230 Vac 50/60 Hz (specify)
pH Controller
Display: 12.7 mm (0.5 in), 3½ digit LCD
Range: 2 to 12 pH*
Resolution: 0.01 pH
Accuracy: ±0.02 pH
Repeatability: ±0.02 pH
Temperature Compensation: Manual supplied with 1093 Ω resistor; Automatic 1000 Ω platinum RTD
Power Requirements: 110 or 230 Vac 50/60 Hz (Specify)
Contact: Two, 6 amp SSR, requires 200 mA minimum load
Dead Band Adjustment: 0 to 50 % of setpoint

Safety Time Delay: Adjustable, 1 to 11 minutes
Time Delay Relay: 6 amp SPDT
Temperature: 150mm. stem pocket thermometer range -10 to 110°C
Optional ORP Controller
Display: 12.7 mm (0.5"), 3½ digit LCD
Range: 0 to 1000 mV
Resolution: 1 mV
Accuracy: ±1 mV
Repeatability: ±1 mV
Power Requirements: 110 or 230 Vac 50/60 Hz (specify)
Contact: Two, 6 amp SSR, requires 200 mA minimum load
Dead Band Adjustment: 0 to 50 % of setpoint
Safety Time Delay: Adjustable, 1 to 11 minutes
Time Delay Relay: 6 amp SPST
 *0 to 14 pH available, consult Sales

IN STOCK FOR FAST DELIVERY!

To Order (Specify Model No.)		
Model No.	Price	Description
PHCN-50	£815	pH recorder and monitor, accepts pH electrodes directly (110 Vac pwr)
PHCN-51	925	Single input pH controller (110 Vac pwr)
PHCN-52	1445	Single Input pH controller/recorder (110 Vac pwr)
PHCN-53	1515	Dual input pH controller/recorder (110 Vac pwr)
PHCN-54	1605	Dual input pH controller (110 Vac pwr)
PHCN-55	815	Battery powered pH recorder (110 Vac pwr)

Ordering Example: PHCN-53 dual input pH controller/recorder, £1515. Each unit is supplied with IP65 enclosure, appropriate number of pH transmitter(s), K-79 pocket thermometer, models that include a pH recorder also supplied with one roll of 30-day chart paper, and complete operator's manual. To order 230 Vac power input, add suffix "-230VAC" to part number.

Optional Ranges

To Order (Specify Model No.)		
Model No.	Price	Description
-ORP	£41	ORP controller, 0 to 1000 mV range
-14	34.50	0 to 14 pH display range

Replacement Accessories:

To Order (Specify Model No.)		
Model No.	Price	Description
PHCN-45-CHART	£8.60	One 30-day chart
PHCN-55-BATT	28.50	PHCN-55 replacement 6 V battery
PHTX-212	155	Replacement 4-20 mA pH transmitter, (2-12 Range)
PHTX-014	155	Replacement pH transmitter (0-14 Range)