

Controllers, Panel Meters

Microprocessor-Based pH and ORP Controllers



INFCPH, INFCOP
and INFCOR

- Microprocessor-Based Versatility
- High and Low Alarm Setpoints
- Scalable 4 to 20 mA, 0 to 20 mA or 0 to 10 V Output
- Compact Panel Design

This new microprocessor-based family of pH, ORP and pH/ORP panel mounted controller is designed for a wide variety of environmental monitoring applications. The units features automatic or manual temperature compensation of pH, two 5 amp mechanical relays and a choice of a scalable 4 to 20 mA, or 0 to 20 mA control or recording output or a 0 to 10 V output. For ease of operation all calibration and parameter setpoints are selectable through the front keypad. The INFCPH/ INFCOR/ INFCOP can be interfaced with a variety of pH and ORP electrodes.

SPECIFICATIONS: ORP

Accuracy: ± 0.1 mV @ 25°C

Range:

INFCOR: ± 2 Vdc

INFCOP: ± 620 mV

Resolution: 0.1, 1 mV

Decimal Point: 2 position auto ranging

SPECIFICATIONS: pH

Accuracy: ± 0.01 pH; $\pm 0.5^\circ\text{C}$

Range: -2 to 16.00 pH; 0 to 100°C

Resolution: 0.01 pH, 0.1°C

Calibration pH: 2 or 3 point



For more information visit:
newportUS.com/infcph

GENERAL

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

Relays: dual SPDT (form C) 5 A at 240 Vac, mechanical relay. Programmable deadband hysteresis around setpoints.

Output: 4 to 20 mA, 0 to 20 mA or 0 to 10 V (Scalable) Software selectable.

Input Impedance: $>10^{12}$ ohms

Temperature Compensation:

Manual or Automatic, 0 to 100°C using Pt 100/1K ohm RTD

Connectors:

pH/ORP: BNC

Temperature: terminal strip

Power: 115 Vac, 230 Vac, 50/60 Hz; 10-32 Vdc, 26-56 Vdc

Panel Cutout: 1/8 DIN, 45 H x 92 mm W (1.772" x 3.622")

Dimensions: 48 H x 96 W x 177 mm D (1.89" x 3.78" x 7.00")

*Insert number code (*) to complete model number			
Model No.	Power & Display	Control Output	Description
INFCPH	(*)	(*)	pH controller, standard features include automatic or manual temperature compensation, quick calibration to 4, 7, and 10 pH, accepts most BNC combination pH electrodes with or without 100 ohm RTD, dual relay output and choice of analog output
INFCOP	(*)	(*)	Combination pH/ORP controller, dual relay output and choice of analog output
INFCOR	(*)	(*)	ORP controller -2V to +2V. Standard features include display of calibrated ORP or RAW millivolt values, dual relay output and choice of analog output. Includes on-line or manual calibration
	0		115 Vac power, red LED display
	1		230 Vac power, red LED display, dual relay output and choice of analog output
	2		115 Vac power, green LED display
	3		230 Vac power, green LED display
	4		10-32 Vdc power, red LED display
	5		10-32 Vdc power, green LED display
	6		26-56 Vdc power, red LED display
	7		26-56 Vdc power, green LED display
		11A	Dual 5 A, form "C" relays, analog output selectable in volts DC or mAdc
		12A	Dual 5 A, form "C" relays, isolated analog output selectable in volts DC or mAdc