






pH Controller/ORP Controller
INFCPH - INFCOP - 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
- ✓ Automatic Temperature Compensation



pH electrodes sold separately



NEWPORT PRODUCT INFO	
•	MANUAL - INFCPH / INFCOP - PDF 
•	MANUAL - INFCOR - PDF 
•	QUICK START 
•	MECHANICAL
•	PRICE
 REQUIRES ADOBE ACROBAT - HELP	

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

Range:

INFCOR: ± 2 Vdc

INFCOP: ± 620 mV

Resolution: 0.1, 1 mV

Accuracy: ± 0.1 mV @ 25°C

Decimal Point: 2 position auto ranging

pH

Range: 0 to 14.00 pH (620mV to -620mV); 0 to 100°C

Resolution: 0.01 pH, 0.1°C

Calibration pH: 2 or 3 point

Accuracy: ± 0.01 pH; ± 0.5 °C

COMMON SPECIFICATIONS

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 or 1K ohm RTD

Connectors:

pH/ORP: BNC

Temperature: terminal strip

Power: 115 Vac, 230 Vac, 50/60 Hz; 10-32 Vdc or 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")**Weight:** 580 g (1.27 lb)**Product Selection** (Specify Model Number, see variations below in partnumber builder table)

Part Number	Description	Qty.
INFCpH-011A	pH controller, 115 Vac power, red LED display, dual 5 A form C SPDT relays and analog output	
INFCpH-111A	pH controller, 230 Vac power, red LED display, dual 5 A form C SPDT relays and analog output	
INFCpH-012A	pH controller, 115 Vac power, red LED display, dual 5 A form C SPDT relays and isolated analog output selectable in volts DC or mAdc	
INFCOR-011A	ORP controller, 115 Vac power, red LED display, dual 5 A form C SPDT relays and analog output	
INFCOR-111A	ORP controller, 230 Vac power, red LED display, dual 5 A form C SPDT relays and analog output	
INFCOP-011A	pH/ORP controller, 115 Vac power, red LED display, dual 5 A form C SPDT relays and analog output	
INFCOP-111A	pH/ORP controller, 230 Vac power, red LED display, dual 5 A form C SPDT relays and analog output	

pH Sensors

PHE-6510	Submersion pH Electrode CPVC
PHEH-65-10-PT100	Mounting Assembly required for PHE-6510 with ATC
PHEH-65-10	Mounting Assembly required for PHE-6510 without ATC
PHE-5460	In Line pH Electrode
PHEH-54-10-PT100	Mounting Assembly required for PHE-5460 with ATC
PHEH-54-10	Mounting Assembly required for PHE-5460 without ATC

Accessories

PHA-4	4.01 pH buffer solution 475 ml bottle
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PHA-7	7.00 pH buffer solution 475 ml bottle
PHA-10	10.01 pH buffer solution 475 ml bottle
PHA-4710	Buffer kit accessory - 4,7,10 Capsules(2 of each)
PHA-85	2 Vial Set of 10 Capsules- 4 of 4.0 pH (red),4 or 7.0 pH (green), and 2 of 10.0 pH (blue). 5 Year Shelf Life

Part Number Builder

(1)	(2)	(3)
INFCpH	-	0
		11A

Option Descriptions

(1) Input Type
Select
INFCpH for pH controller
INFCOR for ORP controller
INFCOP for pH/ORP controller

(2) Power and Display
Select
0 for 115 Vac power, red LED display
1 for 230 Vac power, red LED display
2 for 115 Vac power, green LED display
3 for 230 Vac power, green LED display
4 for 10-32 Vdc power, red LED display
5 for 10-32 Vdc power, green LED display
6 for 26-56 Vdc power, red LED display
7 for 26-56 Vdc power, green LED display

(3) Control Output
Select
11A for Dual 5 A, form C relays, analog output selectable in volts DC or mAdc
12A for Dual 5 A, form C relays, isolated analog output selectable in volts DC or mAdc

NOTE: All combinations may not be valid, check spec sheet for valid part numbers.