

RP-1200

Chlorine/pH Analyzer



Features

- High resolution touchscreen display
- NEMA 4x enclosure
- Dual parameter display
- 4-20 mAdc and alarm outputs
- Field programmable
- Cl₂ ranges 0-0.5-0-20ppm
- Probe type sensors for ease of maintenance

RP-1200

Description

The Eagle Microsystems RP-1200 is a precision amperometric instrument that utilizes digital electronics to simultaneously measure chlorine residual and pH using low maintenance probe technology.

The sensing element for pH is a glass, double junction cell. The measuring element for chlorine residual is an amperometric probe to simplify operation and minimize maintenance. Chlorine residual ranges of 0-0.5 - 0-20 ppm are available. The monitoring instrument utilizes a touchscreen display capable of displaying both the pH and chlorine residual at the same time. Both probes are housed in the same clear acrylic flow cell.

The monitoring instrument displays values of both pH and chlorine residual in a bright backlit color touchscreen. The RP-1200 has three independent, adjustable alarm relays per probe, and three isolated 4-20mA outputs. Modbus RS232 and 485 are standard, while Profibus communication is optionally available.

Your Source for Precision Process Solutions



RP-1200

Chlorine/pH Analyzer

Specifications

Power Supply	115/230 VAC switch selectable
Power Consumption	Less than 12W
Display (HMI)	Backlit 3.5" color touchscreen
CPU	PIC32, 512MB Flash, 128kB RAM
Relays	Six, Mechanical (AC or DC), Rating 250VAC @ 3A
Mounting	Wall Mount 15" x 17"
Probe(s)	Chlorine (PV1) pH or Fluoride (PV4)
Temperature Range	41-113°F, 5-45°C
Operational Temperature Range	14° - 122° F, -10° - 40° C
Analog Output	Three isolated, 4-20mA, 650 ohm drive List of outputs: Probe one, probe two, optional temp
Digital Output	RS-232/485 serial - Modbus RTU
Instrument Range	Dependent on the sensor (0-20ppm free or total available)
Speed of Response	Up to ten updates per second
Optional Accessories	Profibus communication, Wired Ethernet, Wi-Fi connectivity, Wired Ethernet/IP
Electronics Enclosure	NEMA 4X

