



RP-1000

PRECISION INSTRUMENTATION FOR MEASUREMENT & CONTROL

CHLORINE ANALYZER



DESCRIPTION

The Eagle Microsystems RP -1000 Chlorine Residual Analyzer utilizes digital electronics to optimize the measurement of free or total residual chlorine in water using probe technology.

The measuring element for chlorine residual is an amperometric probe to simplify operation and minimize maintenance. A rotameter and control valve are provided to permit regulation of sample flow rate. The monitoring instrument provides a two line by 16-character LCD display chlorine residual in engineering units and permits operator control and configuration through a simple, 4-pushbutton operator interface. Probes can be mounted as required for the application.

The instrument provides an isolated 4-20 mAdc output and both high and low alarm contacts for monitoring and control.

FEATURES

- **Simple, user-friendly, menu – driven operator interface**
- **Highly readable LCD display**
- **4-20 mAdc and alarm outputs**
- **Field programmable**
- **Flowmeter & valve for sample flow regulation**
- **Cl₂ Ranges:**
 - 0-0.5 to 0-20 ppm Free**
 - 0-0.5 to 0-10 ppm Total**
- **Probe type sensors for ease of maintenance**

SPECIFICATIONS

SENSOR

- **Range –**
 Free Cl₂ 0.5, 2.0, 10.0, & 20.0 ppm
 Total Cl₂ 0.5, 2.0, 5.0, & 10.0 ppm
- **Temperature – 5 to 45 degrees C.**
- **Amperometric probe**

INSTRUMENT

- **Input – Free or Total Chlorine probe**
- **Outputs- 4-20 mAdc**
 Four contacts – 1.2A@120Vac
- **Display - 2 - line x 16 - character LCD**
- **Operator interface - Menu driven,**
 4-pushbutton control
- **Enclosure - NEMA 4X, fiberglass**
- **Mounting - Wall or surface**

