Waltron

EXPERTS IN
WATER CHEMISTRY
SINCE 1903

9092 FREE CHLORINE ANALYZER

Introducing the new Waltron 9092 Free Chlorine Analyzer for automatic, continuous measurement of free chlorine in aqueous media. Measurement is based on a microprocessor based potentiostatic three electrode system.

The Waltron 9092 Free Chlorine Analyzer is used for industrial process monitoring and process control. Applications include drinking water treatment, cooling water treatment, water management in swimming pools, or the control of residual concentration Cl_2 of chlorine-treated waste water. The potentiostatic technology allows for a much faster response time than membrane or amperometric systems, ensuring short start-up times, easy operation, and low maintenance.

FEATURES

- **Wide range analysis: 0-1 mg/L (ppm), 0-10 mg/L (ppm)**
- **Automatic temperature and flow compensation**
- **Fast response time (t90 = 30 sec)**
- **No zero point adjustment required**
- **Withstands pressures up to 8 bar (116 psi)**
- **Analog and digital interface; data logging option**
- **Process calibration**
- **Minimal maintenance required**
- **Automatic pH compensation for free chlorine reading**

See reverse side for specifications.

9092 FREE CHLORINE ANALYZER | GENERAL SPECIFICATIONS

PERFORMANCE

Range	0-1 mg/L (ppm), 0-10 mg/L (ppm)
Accuracy	+/- 3% of reading
Response Time	t90 = 30 sec
Temperature Compensation	Automatic
pH Compensation	Automatic
Calibration	Manual (Cl_2 process calibration; pH calibration with 4 & 7 buffer solution)
Analog Outputs	0-20mA, 4-20mA (shunt max 500 Ohm)
Digital Outputs	Serial interface RS232
Alarms	Flow, calibration, power
Power	100VAC - 240 VAC, 50/60 Hz

SAMPLE DELIVERY OPERATING CONDITIONS

Sample Flow	3-18 L/h
Sample Temperature	32-140° F (0-60° C)
Ambient Temperature	32-131° F (0-55° C)
Pressure	0.3-8 bar (5-116 psig)
Sample Conductivity	≥ 10 µS/cm; salt cell is required if conductivity is less

MECHANICAL

Dimensions	Height=25.75"(65.4 cm), Width=8"(20.3 cm), Depth=6.25"(15.9 cm)
Protection Class	IP54
Piping	6mm SS tube fittings
Materials used	Measuring Electrode: gold Counter Electrode: stainless steel 1.4571 (314) Reference Electrode: Ag/AgCl in saturated KCl-solution

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