

## 9092/9092C CHLORINE/pH ANALYZER

**Introducing the new Waltron 9092/9092C Chlorine Analyzer for automatic, continuous measurement of free chlorine, active chlorine, ozone, chlorine dioxide and bromine in aqueous media. Measurement is based on a microprocessor based potentiostatic three electrode system.**

The Waltron 9092/9093 series instruments are 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<sub>2</sub> 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

**Portable system - Model 9092C available**

**Automatic calibration option**

**Wide range analysis: 0-1000 µg/L, 0-10 mg/L**

**Automatic temperature and flow compensation**

**Fast response time (t<sub>90</sub> = 30 sec)**

**No zero point adjustment required**

**Withstands pressures up to 10 bar (145 psi)**

**Analog and digital interface; data logging option**

**Minimal maintenance required**

**Automatic pH compensation for free chlorine reading**



See reverse side for specifications.

## 9092/9092C CHLORINE/pH ANALYZER | GENERAL SPECIFICATIONS

### PERFORMANCE

<b>Range</b>	0-1000 µg/L, 0-10 mg/L
<b>Accuracy</b>	+/- 3% of reading
<b>Response Time</b>	t90 = 30 sec
<b>Temperature Compensation</b>	Automatic
<b>pH Compensation</b>	Automatic
<b>Calibration</b>	Automatic or manual
<b>Analog Outputs</b>	0-20mA, 4-20mA (shunt max 500 Ohm)
<b>Digital Outputs</b>	Serial interface RS232
<b>Alarms</b>	Flow, calibration, power
<b>Power</b>	100VAC - 240 VAC, 50/60 Hz

### SAMPLE DELIVERY OPERATING CONDITIONS

<b>Temperature: Sample Flow</b>	3-18 L/h
<b>Sample Temperature</b>	32-140° F (0-60° C)
<b>Ambient Temperature</b>	32-131° F (0-55° C)
<b>Pressure</b>	≤ 10 bar (145psig)
<b>Sample Conductivity</b>	≥ 10 µS/cm; salt cell is required if conductivity is less

### MECHANICAL

<b>Dimensions (Full size 9091)</b>	Transmitter: Height=11" (27.7 cm), Width=7" (17.8 cm), Depth=7.75" (19.7 cm) with wall-mount bracket, Depth = 4.5" (11.4 cm) without wall-mount bracket Wet Section: Height=6" (15 cm), Width=4" (10 cm), Depth=6" (15 cm)
<b>Dimensions (Portable 9091C)</b>	Transmitter: Height=5.5" (14 cm), Width=7" (18 cm), Depth=7" (18 cm) Wet Section: Height=6" (15 cm), Width=4" (10cm), Depth=6" (15 cm)
<b>Protection Class</b>	IP54
<b>Piping</b>	Swagelok® tube diameter = 6mm
<b>Materials used</b>	Measuring Electrode: gold Counter Electrode: stainless steel 1.4571 (314) Reference Electrode: Ag/AgCl in saturated KCl-solution



EXPERTS IN  
WATER CHEMISTRY  
SINCE 1903

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