

## 9072 HYDRAZINE ANALYZER

**Introducing the new Waltron 9072 Hydrazine Analyzer for automatic, continuous measurement of hydrazine concentration in aqueous solutions. Measurement is based on a microprocessor based potentiostatic electrode system.**

The Waltron 9072 instruments are used for industrial process monitoring and process control. Applications for monitoring the residual hydrazine concentration include boiler feedwater, the primary loop of nuclear power plants, and water treatment plants. The potentiostatic technology allows for a much faster response time than amperometric or colorimetric systems, ensuring short start-up times, easy operation, and low maintenance.

### FEATURES

**Wide range analysis: 0-1000  $\mu\text{g/L}$  (ppb)**

**Automatic temperature and flow compensation**

**Fast response time ( $t_{90} = 30 \text{ sec}$ )**

**No zero point adjustment required**

**Withstands pressures up to 8 bar (116 psi)**

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

**Minimal maintenance required**



## 9072 HYDRAZINE ANALYZER | GENERAL SPECIFICATIONS

### PERFORMANCE

<b>Range</b>	0-1000 µg/L (ppb)
<b>Accuracy</b>	+/- 3% of reading
<b>Response Time</b>	t90 = 30 sec
<b>Temperature Compensation</b>	Automatic
<b>Calibration</b>	Process Calibration
<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>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>	≤ 8 bar (116 psig)
<b>Sample Conductivity</b>	≥ 3 µS/cm; salt cell is required if conductivity is less

### MECHANICAL

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

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EXPERTS IN  
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