

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 ($t_{90} = 30$ sec)

No zero point adjustment required

Withstands pressures up to 8 bar (116 psi)

Analog and digital interface; data logging option

Minimal maintenance required



See reverse side for specifications.

9072 HYDRAZINE ANALYZER | GENERAL SPECIFICATIONS

PERFORMANCE

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

MECHANICAL

Dimensions (Full size 9091)	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)
Dimensions (Portable 9091C)	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)
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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