

# 3144 Colorimetric Hydrazine Analyzer

Precise and accurate Hydrazine monitoring with Waltron's easy-to-maintain colorimetric analyzer

Waltron's 3144 Hydrazine Analyzer is the first choice for online colorimetric analysis of hydrazine in ultrapure water applications. The 3144 is trusted worldwide to deliver accurate and reliable readings with easy maintenance and a low total cost of ownership. Common application points in a boiler system for online hydrazine measurement include the deaerator, condensate system, and boiler feedwater.



## Key Features

- Accurate and wide-range analysis (PPB & PPM)
- 100% toolless wet section
- Pre-assembled pump/sample heads for quick changeout
- Automatic calibration and validation (QA/QC)
- Color touchscreen display
- Grab sample capability
- Internal datalogger with easy USB port on door
- Standard motion sensor LED light and color active alarm indicators
- Automatic start/stop based on sample flow detection with internal loop flow reservoir
- Optional 24-48 hour real time graph



**Get in Touch**

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### Specifications

**Parameter:** Hydrazine

**Technology:** Colorimetric

**Range(s):** 0-100ppb, 0-500ppb

**Accuracy:** (+/-) 2% of reading

**Sample Streams:** 1 to 2

**Response Time:** ~12 minutes, batch process

**Cycle Time:** One reading every 20 mins,  
adjustable

**Analog Outputs:** 4-20mA (galvanic isolator  
option) or 0-5V

**Alarms:** 2 or 4 configurable alarms  
(result, loss of sample, fault)

**Calibration Method:** Automatic

**Calibration Frequency:** One reading  
every 20 mins, adjustable

**Ambient Conditions:** 10-45°C analyzer (50-113°F)

**Sample Temperature:** 5-55°C (41-131°F)

**Sample Flow/Pressure:** 100-500 ml/min;  
atmospheric

### Mechanical

**Power:** 110-220VAC

**IP Rating:** IP65/NEMA4X

**Dimensions:** 24x15x8.5 (60x38x21cm)

**Weight:** 38lbs / 17kg

**Mounting:** Panel/Wall

**Materials:** Corrosion-resistant Stainless Steel

**Sample Connection:** 1/4 (0.635cm) OD Swagelok

**Maintenance Cycle:** Monthly reagents,  
quarterly tubing

