

# 3146 Ammonia Analyzer

Precise Ammonia Monitoring with Waltron's  
Easy-to-Maintain Analyzer

Waltron's 3146 Ammonia Analyzer is specifically designed for the online analysis of ammonia as used for pH control in high purity process water. The 3146 is trusted worldwide to deliver accurate and reliable ammonia readings with easy maintenance and low total cost of ownership. Common applications include boiler cycle water and condensate return systems.



## 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 low reservoir



**Get in Touch**

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### Specifications

**Parameter:** Dissolved Iron

**Technology:** Colorimetric

**Range(s):** 0-250ppb, 0-500ppb, 0-5ppm

**Accuracy:** (+/-) 2% of full scale

**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

