

# 3148 Dissolved Iron Analyzer

Accurate Dissolved Iron Monitoring with Waltron's  
Easy-to-Maintain Analyzer

The Waltron 3148 Dissolved Iron Analyzer offers reliable colorimetric analysis of dissolved iron in clean water, essential for monitoring corrosion in steam and boiler systems. Its touchscreen interface and fast-loop reservoir ensure easy operation and accurate, independent measurements. The 3148 automates bench test analysis, providing early detection of iron concentration changes.



## 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
- Optional 24-48 hour real time graph



**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

**Cycle Time:** 8 minutes, batch process

**Calibration Frequency:** 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:** Manual or Automatic

**Ambient Conditions:** 0-55°C (32-131°F)

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

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

### Mechanical

**Power:** 90-265VAC

**IP Rating:** IP65/NEMA4X

**Dimensions:** 66.04cm x 38.1cm x 30.48cm (26" x 15" x 12")

**Weight:** 17kg (38 lbs)

**Mounting:** Wall Mount Only

**Materials:** Corrosion-resistant Stainless Steel

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

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

