

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
- Color touchscreen display
- Multi-stream available
- Grab sample capability
- Fast loop reservoir
- Internal datalogger
- Adjustable cycle and calibration frequency
- Low reagent level alarm
- Automatic calibration and validation (QA/QC)
- Automatic start/stop based on sample flow detection



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

