



The Waltron 3048 Iron Analyzer provides you with cutting-edge technology for online measurement of dissolved iron in ultrapure water applications.

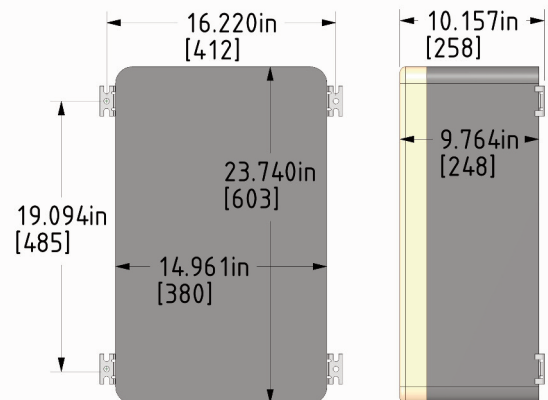
Online dissolved iron analysis is a growing in popularity as an effective method to monitor corrosion within steam and boiler water systems. Upgrade your manual bench test process to automatic online analysis for accurate and reliable results, greatly enhanced visibility on changes in iron concentrations, and earlier detection of potential problems.



FEATURES

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

Wet Section



See reverse side for specifications.

3048 DISSOLVED IRON ANALYZER | GENERAL SPECIFICATIONS

PERFORMANCE

Range	0-250 ppb, 0-500ppb, 0-5 ppm (internal dilution)
Accuracy	+/- 2% of full scale
Reproducibility	+/- 2% of reading
Analysis Time	8 min, batch process
Sampling Frequency (Cycle Time)	One reading every 20 minutes (adjustable)
Required Maintenance	Once a month replenish reagents, Quarterly replace tubing
Reagent Consumption (approx.)	1 reagent, 1L per month
Sensor Classification	Colorimetric with glass flowcell and LED source
Application	Boiler water and cooling water
Ambient Temperature Range	10-45°C analyzer (50-113°F)
Atmospheric Pressure Range	No Limits
Humidity	Up to 90% not condensable
Unit Dimensions	Height=23.6"(60 cm), Width=15"(38 cm), Depth=8.3"(21 cm)
Positioning and Installation Details	Wall mounting, bench supported, panel mounting (optional)
Weight	17 kg (37.5 lbs.)
Degree of Protection	IP55 (NEMA 4): Wet section, IP65 (NEMA 4x): Electronics
Alarms	2 or 4 configurable alarm relays (Result, loss of sample, fault)
Power Supply	110-220Vac, 50-60 Hz 80 VA
CE Certification (on request)	Meets low voltage and low electromagnetic compatibility directives

SAMPLE DELIVERY OPERATING CONDITIONS

Temperature Range	5-55°C (41-131°F)
Inlet Sample	100-500 ml/min, atmospheric, flexible tubing O.D. 1/4"(6 mm)
Outlet Sample	Atmospheric, waste tubing O.D. 3/8"(9 mm)
PH	3-12
Sample Conditioning Requirements	Filtering between 10 and 60 micron, depending on the matrix, needed only to avoid clogging
Materials in Contact with Sample	Glass, Silicone, Plexiglass, Stainless Steel AISI 316

SIGNAL OUTPUTS

Analogue Outputs	4-20mA (galvanic isolator module available as option) or 0-5V
Serial I/O Options	RS232; RS485; MODBUS; PROFIBUS

OPERATIONAL CALIBRATION

Single/Multi-Point	Multi-Point: zero and mid-range
Matrix Corrections	Yes, sample blank correction
Manual/Automatic	Both

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