

3145 Dissolved Copper Analyzer

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

The Waltron 3145 Dissolved Copper Analyzer provides reliable online colorimetric measurement of dissolved copper in clean water, crucial for monitoring corrosion in steam and boiler systems. Its color touchscreen interface and fast-loop reservoir ensure easy operation and accurate, independent measurements. The 3145 offers precise results and low-maintenance operation for ultra-pure water applications.



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

Waltron Group Headquarters
25 Minneakoning Road, Suite 101
Flemington, NJ 08822 USA

Main: +1 908-534-5100
Fax: +1 908-534-5546
info@waltron.net

Specifications

Parameter: Dissolved Copper

Technology: Colorimetric

Range(s): 0-100ppb, 0-3ppm

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

Sample Streams: 1 to 2

Response Time: ~12 minutes, batch process

Cycle Time: One reading every 15 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

