

## 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**

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### 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

