

3141 Silica Analyzer

Precise Silica Monitoring with Waltron's
Easy-to-Maintain Analyzer

The Waltron 3141 Silica Analyzer delivers reliable, easy-to-maintain online analysis of dissolved silica in ultrapure water. It features a color touchscreen interface and a fast-loop reservoir for accurate, independent measurement. It is ideal for use in make-up water, condensate, boiler feedwater, and steam applications and offers low total cost of ownership.



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: Silica

Technology: Colorimetric

Range(s): 0-1000ppb, 0-5ppm, 0-150ppm

Accuracy: ± 1 ppb or $\pm 2\%$ of reading
(whichever is greater)

Sample Streams: 1 to 2

Response Time: ~12 minutes, batch process

Cycle Time: 20 minutes, 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: 50-115°F / 10-45°C

Sample Temperature: 40-130°F / 5-55°C

Sample Flow/Pressure: 100-500ml/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

