

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. Ideal for use in make-up water, condensate, boiler feedwater, and steam applications, it 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 low reservoir
- Optional 24-48 hour real time graph

Specifications

Parameter: Silica

Technology: Colorimetric

Range(s): 0-1000ppb, 0-5ppm, 0-150ppm,
0-300ppm

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: Manual or Automatic

Ambient Conditions: 0-55°C (32-131°F)

Sample Temperature: 5-55°C (40-130°F)

Sample Flow/Pressure: 100-500ml/min; atmospheric

Maintenance Cycle: Monthly reagents, quarterly
pump head (with tubing) swap out

Mechanical

Power: 110-220VAC

IP Rating: IP 65, NEMA 4X

Dimensions: 66.04cm x 38.1cm x 30.48cm
(26" x 15" x 12")

Weight: 17kg (38 lbs)

Mounting: Wall Mount Only

Sample Connection: 1/4 (0.635cm) OD Swagelok
or in-line mount

