

# 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



**Get in Touch**

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### Specifications

**Parameter:** Silica

**Technology:** Colorimetric

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

**Accuracy:**  $\pm 1$ 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:** 90-265VAC

**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

