

3141C Compact Silica Analyzer

Reliable Silica Monitoring with Waltron's
Compact and Easy-to-Maintain Analyzer

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



Key Features

- Accurate and wide-range analysis
- Color touchscreen display
- Pre-assembled pump heads for quick and easy changeouts
- Automatic calibration and validation
- Available as single- or dual-channel
- Grab sample option
- Internal datalogger with internal USB
- Automatic start/stop based on sample flow detection
- Internal fast loop flow reservoir



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 or 2

Response Time: Approximately 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: 10-45°C (50-115°F)

Sample Temperature: 5-55°C (40-130°F)

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

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

Mechanical

Power: 110-220VAC

IP Rating: IP55/NEMA4

Dimensions: 40 x 30 x 20 cm
(16 x 12 x 8 in), excluding separate external
reagent rack and mounting brackets

Weight: 10kg (22 lbs)

Mounting: Panel/Wall

Sample Connection: 0.635cm (1/4") OD Swagelok

