

3142 Phosphate Analyzer

Accurate Phosphate Monitoring with Waltron's
Easy-to-Maintain Analyzer

Waltron's 3142 Phosphate Analyzer is the first choice for online analysis of dissolved phosphate in ultrapure water applications. The 3142 is trusted worldwide to deliver accurate and reliable readings with easy maintenance and a low total cost of ownership. Common application points in a boiler system include make-up water, condensate, boiler feedwater, saturated steam/main steam, and cooling water.



Key Features

- Accurate and wide-range analysis (PPB & PPM)
- 100% toolless wet section
- Pre-assembled pump/sample heads for quick change out
- 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

Specifications

Parameter: Phosphate

Technology: Colorimetric

Range(s): 0-5ppm, 0-20ppm, 0-150ppm

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

