

## 3040 SERIES COLORIMETRIC ANALYZERS

**Silica, Phosphate, Hardness, Iron, Copper, Hydrazine, Ammonia, Ethylene Glycol**

**Waltron's 3040 colorimetric series analyzers provide exceptional results for online measuring of silica, phosphate and other parameters.**

Simple design and small footprint make the 3040 series an excellent choice for a variety of applications and environments. Waltron's 3040 series colorimetric analyzers have been completely redesigned to offer easy maintenance and interchangeable spare parts between parameters.

Common application points in a boiler system for online silica measurement include: make-up water, condensate, boiler feedwater, saturated steam/main steam and cooling water.



### FEATURES

**Accurate and wide-range analysis**

**Multi-stream available**

**Fast loop reservoir**

**Adjustable cycle and calibration frequency**

**Automatic calibration and validation (QA/QC)**

**Compact design**

**Color touchscreen display**

**Grab sample capability**

**Internal datalogger**

**Low reagent level alarm**

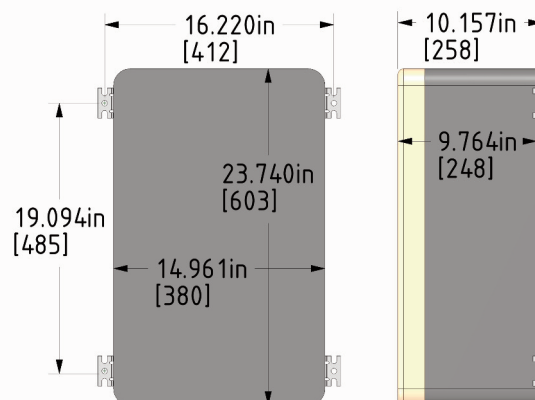
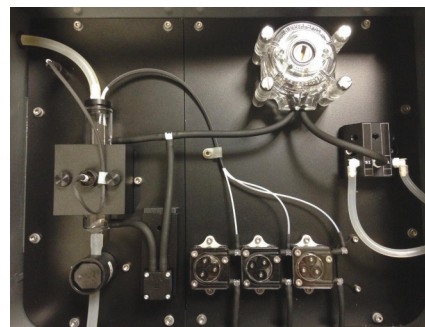
**No compressed air required**

**Automatic start/stop based on sample flow detection**

**Minimal analyzer maintenance**

**Panel mounting bracket available for Hach 5000 replacement**

### NEW Wet Section



See reverse side for specifications.

## 3040 COLORIMETRIC SERIES | GENERAL SPECIFICATIONS

### PERFORMANCE

<b>Sensor Classification</b>	Colorimetric with glass flowcell and LED source
<b>Application</b>	Boiler water, saturated steam/main steam, and cooling water
<b>Power Supply</b>	110-220Vac, 50-60 Hz 80 VA
<b>Humidity</b>	Up to 90% not condensable
<b>Ambient Temperature Range</b>	10-45°C analyzer (50-113°F)
<b>Positioning and Installation Details</b>	Wall mounting, bench supported, or panel mounting (optional)
<b>Alarms</b>	2 or 4 configurable alarm relays
<b>Degree of Protection</b>	IP55 (NEMA 4): Wet section, IP65 (NEMA 4x): Electronics
<b>Required Maintenance</b>	Once a month replenish reagents, Quarterly replace tubing
<b>Materials in Contact with Sample</b>	Glass, Silicone, Plexiglass, Stainless Steel AISI 316
<b>Certification (on request):</b>	Meets low voltage and low electromagnetic compatibility directives
<b>Sample Conditioning Requirements</b>	Filtering between 10 and 60 micron, depending on the matrix, needed only to avoid clogging.
<b>Weight</b>	17 kg (37.5 lbs.)

### SAMPLE DELIVERY OPERATING CONDITIONS

<b>Temperature Range</b>	5-55°C (41-131°F)
<b>Inlet Sample</b>	100-500 ml/min, atmospheric pressure, flexible tubing O.D. 1/4"(6 mm)
<b>Outlet Sample</b>	Atmospheric, waste tubing O.D. 3/8"(9 mm)
<b>PH</b>	3-12

### SIGNAL OUTPUTS

<b>Analog Outputs</b>	4-20mA (galvanic isolator module available as option) or 0-5V
<b>Serial I/O Options</b>	RS232; RS485; MODBUS; PROFIBUS

### OPERATIONAL CALIBRATION

<b>Single/Multi Points</b>	Multi-Point: zero and mid range
<b>Matrix Corrections</b>	Yes, sample blank correction
<b>Manual/Automatic</b>	Both



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