

## 3052 DISINFECTANTS/MONOCHLORAMINE ANALYZER

**Waltron's 3052 Disinfectants Analyzer is the first choice for online analysis of monochloramine.**

The 3052 is trusted world wide to deliver accurate and reliable readings with minimal maintenance and low total cost of ownership. Common applications are potable water, cooling water, industrial waste water and swimming pools.



### 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**

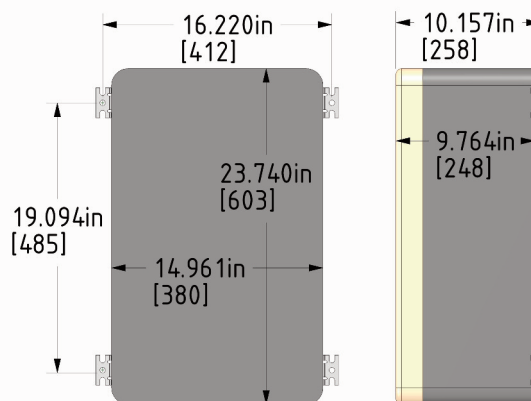
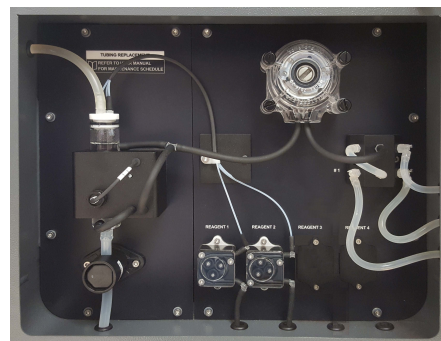
**No compressed air required**

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

**Minimal analyzer maintenance**

**Process-photometer based on DPD-Method  
(DIN EN ISO7393-2; APHA/AWWA 4500-Cl G)**

### Wet Section



See reverse side for specifications.

## 3052 DISINFECTANTS/MONOCHLORAMINE ANALYZER | GENERAL SPECIFICATIONS

### PERFORMANCE

<b>Range</b>	0-5ppm
<b>Accuracy</b>	+/- 5% of reading
<b>Reproducibility</b>	+/- 0.1 ppm or +/- 2% of reading, whichever is greater
<b>Analysis Time</b>	10 min, batch process
<b>Sampling Frequency (Cycle Time)</b>	One reading every 20 mins, adjustable
<b>Required Maintenance</b>	Monthly replenish reagents; Quarterly replace tubing
<b>Reagent Consumption (approximate)</b>	2 reagents, 2.5L each per month
<b>Sensor Classification</b>	Colorimetric with glass flowcell and LED source
<b>Application</b>	Steam cycle water, cooling water, process water
<b>Ambient Temperature Range</b>	10-45°C analyzer (50-113°F)
<b>Atmospheric Pressure Range</b>	No Limits
<b>Humidity</b>	Up to 90% not condensable
<b>Unit Dimensions</b>	Height=23.6"(60 cm), Width=15"(38 cm), Depth=8.3"(21 cm)
<b>Positioning and Installation Details</b>	Wall mounting, bench supported, or panel mounting (optional)
<b>Weight</b>	17 kg (37.5 lbs.)
<b>Degree of Protection</b>	IP55 (NEMA 4): Wet section, IP65 (NEMA 4x): Electronics
<b>Alarms</b>	2 or 4 configurable alarm relays (Result, loss of sample, fault)
<b>Power Supply</b>	110-220Vac, 50-60 Hz 80 VA
<b>Certification (on request)</b>	Meets low voltage and low electromagnetic compatibility directives

### SAMPLE DELIVERY OPERATING CONDITIONS

<b>Temperature Range</b>	5-55°C (41-131°F)
<b>Inlet Sample</b>	100-500 ml/min, atmospheric, 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
<b>Sample Conditioning Requirements</b>	Filtering between 10 and 60 micron, depending on the matrix, needed only to avoid clogging.
<b>Materials in Contact with Sample</b>	Glass, Silicone, Plexiglass, Stainless Steel AISI 316

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

102-039-C.1



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