

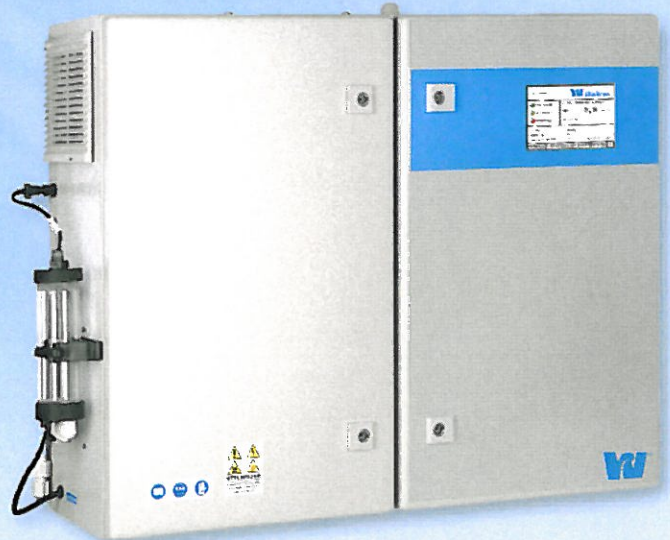
AQUALYZER® 3001 SERIES TOC Analyzer Aqualyzer® 3001

The Waltron 3001 TOC analyzer has been designed for the continuous and automatic measurement of total organic carbon in water. The 3001 TOC analyzer can be used for industrial and environmental monitoring.

The analyzer measures Total Organic Carbon in water samples using the EPA approved method based on UV persulfate oxidation and detection of generated carbon dioxide using a non-dispersive infrared analysis. This method meets the requirements of European ISO/CEN guidelines. The analyzer meets EPA, DIN, CE, ASTM, NAMUR regulations.

Common applications include:

- Boiler Feed Water
- Condensate and Cooling Water
- Drinking Water
- Effluent and Influent Monitoring
- Industrial Effluents
- Industrial Wastewater
- Laboratories
- Process Water
- Surface Water



FEATURES

Wide range analysis: 0-10 mg/l, 0-5000 mg/l
(other ranges available upon request)

Automatic cleaning





Fast response (6-8 minutes depending on range)

Automatic calibration

Integrated air purifier (supplied by internal compressor)

Use of digital-flow controller for carrier gas

GSM option

NO ALARM			
 ON LINE	TOTAL ORGANIC CARBON		
 STANDBY	TOC	0.0	mg/l ±
 STOPPED	ON-LINE		
TIME	00:00		
SAMPLE	OK		
RESULT ALARM	OK		RESULT TREND
COMMANDS	DISPLAY	CALIBR	PARAM SERVICE ?

BENEFITS

Low reagent and standard consumption

Minimal maintenance required

Automatic operation

GENERAL SPECIFICATIONS

PERFORMANCE

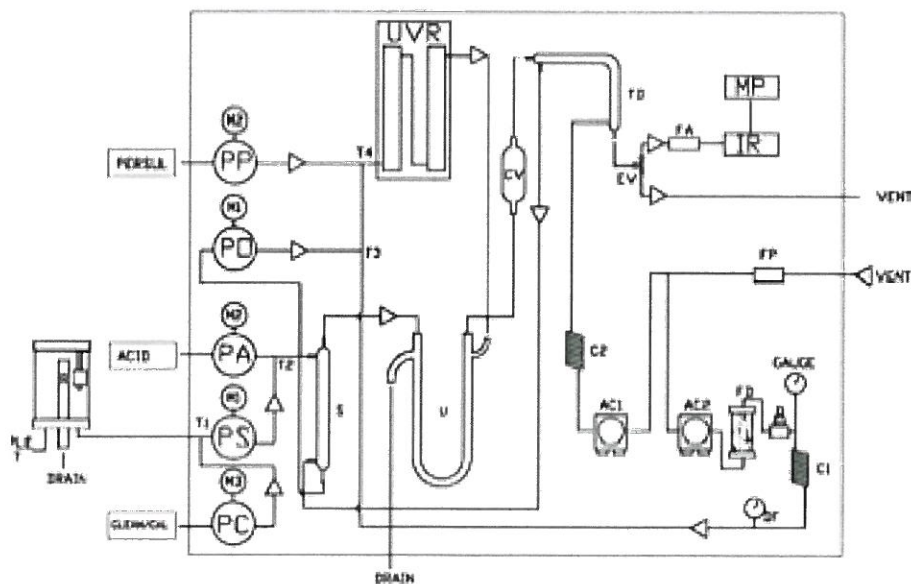
Range:	Wide range analysis: 0-10 mg/l, 0-5000 mg/l (other ranges available upon request)
Method:	TOC measurement with TIC removal by acidification and spargine, sodium persulfate UV promoted oxidation, CO2 detection by non-dispersive infrared analyzer (NDIR)
Measurement Type:	Continuous
Accuracy:	± 2% of full scale
Response Time:	6-8 minutes (depending on range)
Reagents:	Phosphoric acid and sodium persulfate (concentrations dependent upon on range)
Carrier Gas:	Air purifier integrated; supplied by an internal compressor
Cleaning:	Automatic
Calibration:	Automatic
Analog Outputs:	4-20 mA (optically isolated)
Alarms:	2 SPDT contacts for measurements alarm and fault alarm; GSM option
Power Supply:	230 VAC (optional 115 VAC)
Conformity:	EN610004-2; EN610004-4; C 46-022; EN55022; EN61326 (EMC compatibility)
Communication:	RS 232 (mono-directional) standard; RS485/Modbus RTU (optional)

OPERATING CONDITIONS

Sample Inlet Pressure:	Atmospheric
Sample Temperature:	5 - 50°C
Environmental Temperature:	5 - 40°C

MECHANICAL

Dimensions:	760 x 600 x 210 mm (29.92 x 23.62 x 8.27 in)
Weight:	Approximately 100 lb (45kg), depending on range
Protection:	IP 54



QUANTICHEM® 3001 SERIES TOC Analyzer

Quantichem® 3001C

The Waltron 3001C TOC analyzer has been designed for the automatic measurement of total organic carbon in water. The 3001C TOC analyzer can be used for industrial and environmental monitoring.

The analyzer measures Total Organic Carbon in water samples using the EPA approved method based on UV persulfate oxidation and detection of generated carbon dioxide using a non-dispersive infrared analysis. This method meets the requirements of European ISO/CEN guidelines. The analyzer meets EPA, DIN, CE, ASTM, NAMUR regulations.

Common applications include:

- Boiler Feed Water
- Condensate and Cooling Water
- Drinking Water
- Effluent and Influent Monitoring
- Industrial Effluents
- Industrial Wastewater
- Laboratories
- Process Water
- Surface Water



FEATURES

Wide range analysis: 0-20 mg/l, 0-1000 mg/l (other ranges available upon request)

Compact and transportable

Batch analysis with programmable frequency

Low voltage power requirements (12VDC on LV model)

Internal air generator

Automatic calibration

Touch screen display with graphic recorder





GSM option

BENEFITS

Low reagent consumption (approximately 1cc per analysis)

Minimal maintenance required

Automatic operation

NO ALARM			
 ON LINE	TOTAL ORGANIC CARBON		
 STANDBY	TOC	0.0	mg/l t
 STOPPED	ON-LINE		
TIME	00:00		
SAMPLE	OK		
RESULT ALARM	OK	RESULT TREND	
COMMANDS	DISPLAY	CALIBR	PARAM SERVICE ?

GENERAL SPECIFICATIONS

PERFORMANCE

Range:	Wide range analysis: 0-20 mg/l, 0-1000 mg/l (other ranges available upon request)
Method:	TOC measurement with TIC removal by acidification and spargine, sodium persulfate UV promoted oxidation, CO2 detection by non-dispersive infrared analyzer (NDIR)
Measurement Type:	Batch analysis with programmable frequencies
Accuracy:	± 2% of full scale
Response Time:	8 minutes (depending on range)
Reagents:	One reagent containing phosphoric acid and sodium persulfate; separate container used to hold cleaning solution
Carrier Gas:	Air purifier integrated; supplied by an internal compressor
Cleaning:	Performed at the end of each analysis cycle
Analog Outputs:	4-20 mA (optically isolated)
Digital Outputs:	RS-232 for printer or data logger
Alarms:	2 SPDT contacts for measurements alarm and fault alarm; GSM option
Power Supply:	230 – 115 VAC (12 VDC on LV model)

OPERATING CONDITIONS

Sample Inlet Pressure:	Atmospheric
Environmental Temperature:	5 - 40°C

MECHANICAL

Dimensions:	210 x 600 x 380 mm (8.27 x 23.62 x 14.96 in)
Weight:	Approximately 55 lb (25kg), without reagent bottle
Protection:	IP 54

