

FM TOC101 On-line TOC Analyser

Analyser for Ultra pure & Waste-water processes

The new range of Forbes Marshall Total Organic Carbon (TOC) on-line analysers offers a highly reliable, fast and accurate means to determine, in real time, organic contamination in waste-water and effluent.

Developed and manufactured by Forbes Marshall - one of the most experienced companies in the field of TOC based water quality analysis .

FMTOC101 analyser can continuously report results with a response time of 6 minutes and a repeatability of 1-2%.

FMTOC101 can be used to measure samples at ppb levels in ultrapure water applications in pharma, power, semiconductor industry. A diverse range of sample acquisition and pre-treatment systems support the analysers and enable reliable monitoring of even the most difficult of effluent streams, in chemical, refinery, fertiliser and petrochemical industries.



Your Process, Our Analytics

Specialists in Process Efficiency and Energy Conservation

Specifications

A General

Model No.	FMTOC101
Channels	Single
Method	UV Persulphate Oxidation
Range	ppb/ppm Max Up To 50,000 ppm
Measurement Mode	Continuous / Periodic Sampling
Calibration	Automatic
Periodic Cleaning	Automatic

B Sample

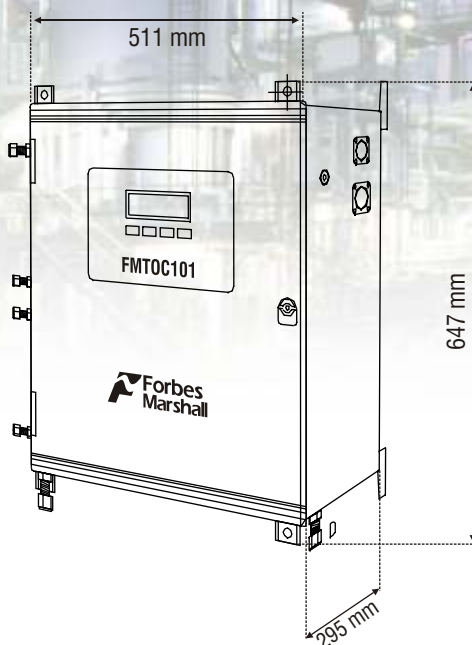
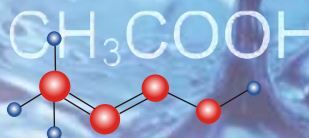
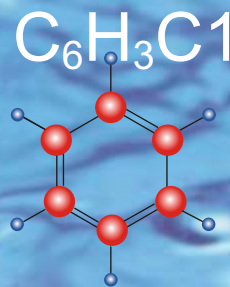
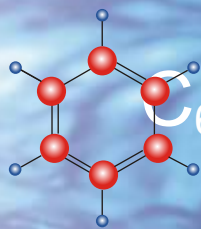
Temperature	Less Than 80° C
Pressure	0.2 Bar
Flow	Maximum 10 Lit/hr
Suspended Particles	Less Than 100 Microns

C Transmitter

Type	Microprocessor Based
Accuracy	±2% Of Measured Range
Repeatability	1-2%
Display Type	16 x 2 Dot Matrix LCD
Response	Maximum 6 Minutes Depending On Measuring Range
Analog Output	4-20 mA. DC, Galvanically Isolated
Relay Outputs	2 Alarm Relay For Set Points
Utility Alarm	For Loss Of Sample, Reagents, Calibration Solution, Carrier Gas Pressure
Digital Interface	RS232 / RS485 / Profibus (optional)
Enclosure Protection	GRP Case IP 55
Temperature	Maximum 40° C
Size	620mm(h) x 500mm(w) x 280mm(d)
Weight	35kg

D Utilities

Power Supply	100 To 240 VAC 50/60 Hz 150W
Carrier Gas	Instrument Air At 2.2 Bar, 800 ml/min
Reagents	Sodium Persulphate / Nitric Acid



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