The new range of Forbes Marshall Total Organic Carbon (TOC) online 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.
### General
- **Model no.** FMTOC101
- **Channels** Single
- **Method** UV persulphate oxidation
- **Range** ppb/ppm max up to 10,000 ppm
- **Measurement mode** Continuous / periodic sampling
- **Calibration** Automatic
- **Periodic cleaning** Automatic

### Sample
- **Temperature** Less than 80º C
- **Pressure** 0.2 bar
- **Flow** Maximum 10 Lit/hr
- **Suspended particles** Less than 100 microns

### Transmitter
- **Type** Microprocessor based
- **Accuracy** ±2% of measured range
- **Repeatability** 2-5% of FS
- **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** (optional) RS232 / RS485 / Profibus
- **Enclosure protection** GRP case IP 55
- **Temperature** Maximum 50º C
- **Size** 620mm(h) x 500mm(w) x 280mm(d)
- **Weight** 35 kg

### Utilities
- **Power supply** 100 to 240 VAC 50/60 Hz 150W
- **Carrier gas** Instrument air or pure N2 (depending on range) at 2.2 bar, 800 ml/min
- **Reagents** Sodium persulphate / nitric acid

*Consult us on this before ordering*