



OFFICIAL UK DISTRIBUTORS FOR:



DRM Technic

Suppliers of Gas Analysis Equipment

LFE TOC-810
On-Line TOC Analyser

LFE TOC-810 ON-LINE TOC ANALYSER

The LFE TOC-810 On-Line TOC analyser is specified for the analysis of both highly and low contaminated water.

FEATURES

**Continuous Real Time Analysis and Sample Conditioning | Self-Monitoring
Highly Stable | Quick Response | High Temperature Oxidation**



SPECIFICATIONS

Product No.	LFE TOC-810	
Cabinet	2-Section 19" Cabinet on Lockable Rollers; Active Ventilation via Filtered Fans, Electronic Section Purgeable	
Dimensions	169 x 65 x 65 cm	
Power	220 / 230 V AC, 50/60 Hz Continuous Operation: 550 VA (warm-up phase: 800 VA)	
Analytical/Operational Data		
Measured Quantity	Basic Instrument: TC With Optional Sparger-Unit: TOC or DOC & VOC (as further option)	
--	DOC Measurement Principle	VOC Measurement Principle (optional)
Measurement Principle	High Temp. Combustion (typically 950 °C) of Water Sample with Subsequent Photometric CO ₂ Analysis in the Dried Reactor Exhaust	Sparger Air Analysed for Volatile Organic Carbon Components Utilising Catalytic Conversion with Subsequent Photometric CO ₂ Analysis in a Dedicated Channel.
Ranges	Lowest: 0 - 5 mg C/l Highest: 0 - 5000 mg C/l	Lowest: 0 - 1 mg VOC/l Highest: 0 - 300 mg VOC/l
Response Time	Typically 5 min (continuous measurement)	Typically 2 min (continuous measurement)
Precision	< ± 1% of FSO (full scale output)	< ± 1% of FSO (full scale output)
Accuracy	< ± 1% of FSO	< ± 2.5% of FSO
Inputs and Outputs		
Read Out	LC Display (40 characters x 16 lines); Both English and German Languages Available	
Instrument Status	Plain Text Description	
Analog Signal Output	2 Current Outputs (as standard): 0 - 20 mA or 4 - 20 mA; 4-20 mA with Superimposed Instrument Status (NAMUR NE43 compliant); Test Signal Levels. All Outputs are Isolated and Configurable.	
Digital Outputs	3 Digital Outputs (NAMUR NE 107 compliant): FAILURE, FUNCTION CHECK and MAINTENANCE REQUIRED (relay contacts: 28 V max; 350 mA max). Other Options are Available.	

CONTACT US: DRM Technic, 4 Cherry Orchard, Newcastle-under-Lyme, Staffordshire, UK, ST5 2UB

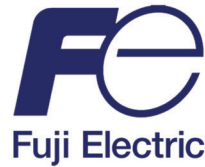
DRM/LT810/
210218/001

Tel: +44 (0) 1782 638491 | Email: sales@drmtechnic.com | Web: www.drmtechnic.com

DRM/LT810/
210218/001



OFFICIAL UK DISTRIBUTORS FOR:

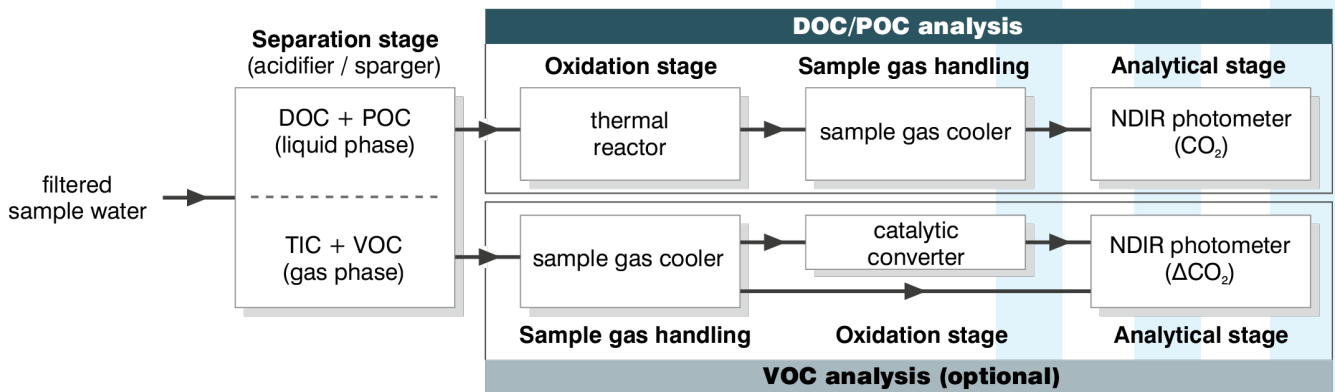


DRM Technic

Suppliers of Gas Analysis Equipment

LFE TOC-810
On-Line TOC Analyser

FUNCTIONAL SCHEME



OPTIONS AND ACCESSORIES

VOC Analysis Package

The TOC-810 can be fitted with an optional package in conjunction with a second photometer channel which simultaneously and continuously measures the VOC level independently of the TOC (or DOC) analysis.

Acidifier / Sparger / Multiplexer Unit (ASM Unit)

This unit facilitates the removal of inorganically bound carbon (TIC). The unit can be equipped with the following further options: Automatic Calibration for 3 Test Solutions; Multiplex Capability for 3 Sample Streams ; and a Sample Dilution Stage

Simultaneous, Selective VOC or TIC Analysis

in conjunction with a second NDIR measuring channel and the ASM Unit

Analog Expansion Module

which expands the system from 2 to 6 configurable 0(4)-20 mA Analog Outputs

Digital Expansion Module

which provides 8 digital inputs while also expanding the system's digital outputs from 3 to 10.

RS-232 Serial Interface | Built-In Paperless Recorder

For more information, please contact our sales department (contact details available)

CONTACT US: DRM Technic, 4 Cherry Orchard, Newcastle-under-Lyme, Staffordshire, UK, ST5 2UB

DRM/LT810/
210218/001

Tel: +44 (0) 1782 638491 | Email: sales@drmtechnic.com | Web: www.drmtechnic.com

DRM/LT810/
210218/001