



Graphite 52M

Heated FID
VOC Analyser



The Graphite 52M is fitted with FID for continuous and simultaneous measurement of THC, NmHC and CH₄ in compliance with EN 12619

The FID is temperature controlled up to 191°C to eliminate condensation. Extremely compact and with a very short response time, this heated FID provides continuous monitoring of total VOC's, in compliance with the industrial emissions directive

Customise to Suit your Requirements

Featuring an interactive menu, real-time calibration graphs and user adjustable response and averaging time, the Graphite 52M is designed to be customised to meet your analytical requirements.

Data Collection, Processing & Visualisation

With built in data storage of 2 months, the Graphite 52M is fully supported by MCERTS certified CDAS Elite Data Acquisition Software and a comprehensive service and support package. This analyser provides automatic reports to meet customer specific requirements



“Continuous monitoring of total VOC's, in compliance with the IED”

KEY BENEFITS

- Up to 191°C (heated detector for HC measurement)
- Fast response time, designed to measure wet & corrosive sample
- High efficiency, long-life catalyst
- Easy access components guarantee reduced maintenance times
- Ethernet connection for remote maintenance and troubleshooting
- Optional portable analyser

Technical Specification

APPLICATIONS

- Waste incinerations
- Sewage sludge incineration
- Contaminated soil burning plants
- Mercury mines and refineries
- Fluorescent light bulb recycling plants

MEASUREMENT PRINCIPLE

- Ranges: 0-10/100/1000/10000 ppm or user programmable range up to 50 000 ppm
- Lower detectable limit: 0.05 ppm of the 10 ppm range

TEMPERATURE & PRESSURE

- Temperature of the heated block: up to 191°C
- Operating temperature: +5°C to +40°C
- Ambient temperature: +5 bis +30°C

MCERTS Certification Range

- TOC: 0-15mg/m³

POWER

- Power supply: 230 VAC, 50Hz or 115 VAC, 60 Hz
- Power consumption: 500VA during start up

PHYSICAL

- Dimensions: 483 x 470 x 177mm (W x D x H)
- Weight: 22kg approximately

SPAN & DRIFT

- Accuracy: < 1% of the displayed value between 15% and 100% of the F.S.
- Zero drift: <1%/24h F.S. <2%/7 days F.S.
- Span drift: <1% / 7 days F.S.
- Linearity: <1% for concentration between 10 % and 90% of the scale

APPROVALS

- MCERTS

- Expert consultancy
- Project management
- In-house project design & build
- Installation & commissioning
- After product service & support

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