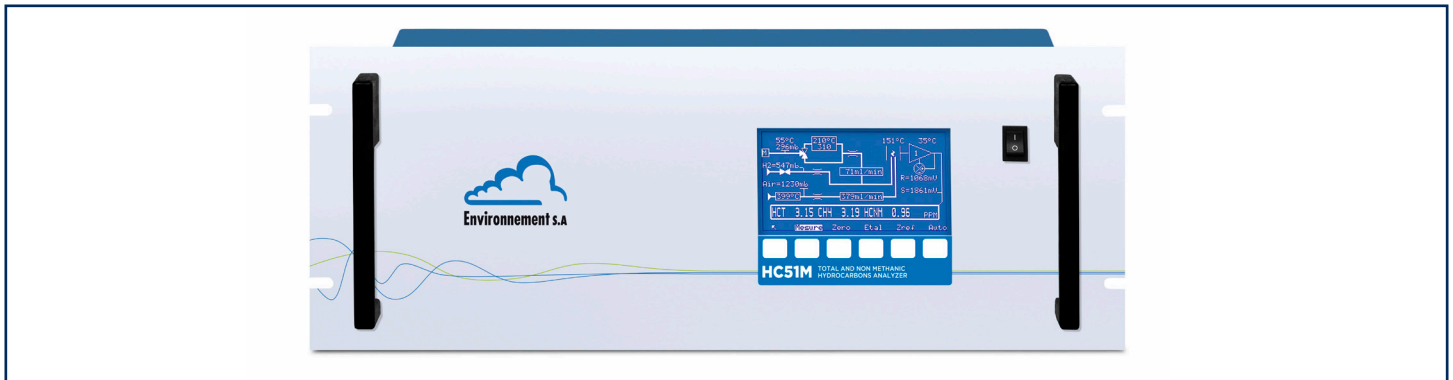




## HC51M

Hydrocarbon &  
Total VOC FID  
Analyser



The HC51M uses flame ionisation detection (FID) to measure the concentration of hydrocarbons in ambient air.

The HC51M is delivered with built-in zero/span solenoid valves, which can connect to an external source of gas for manual, automatic and remote zero/span checks.

### Advanced Technology for Multitasking Operation

Multitasking software allows advanced calculations gives user-friendly access to the instrument set-up, as well as the status and maintenance parameters. Users also have the freedom to access to real-time synoptics, auto-diagnostics and maintenance data screens.

### Auto Response Determines Measurement Function

The automatic response time function determines the measurement integration time best suited for the measurement of hydrocarbon concentrations. On board memory allows for data collection and data logging.

“Familiar and easy to use touch screens for comfortable use of the HC51M - just plug & play”

## KEY BENEFITS

- High sensitivity, stable, linear FID analyser
- Temperature controlled pneumatics
- Remote troubleshooting diagnostics
- User programmable ranges and times
- Real time calibration graph
- Field proven technology and design

## Technical Specification

### APPLICATIONS

- Ambient air monitoring
- Monitoring around industrial sources emitting VOCs
- Continuous emissions monitoring (CEM) by dilution
- Measurement of impurities in industrial gases

### GENERAL

- Built-in USB port and serial interface (RS 232 / RS 422)
- Ethernet connection for full remote control and display functions
- Built-in storage of 12 months 1/4 h average data

### MEASUREMENT PRINCIPLE

- Ranges: 0-10/ 50 / 100 /500 / 1,000 ppm or user selectable ranges
- Auto-ranging
- Noise: 0.025 ppm
- Lower detectable limit: 0.05 ppm

### CERTIFICATION

- TUV report
- EN 14626
- ISO 4224

### PHYSICAL

- Dimensions: (L x W x H): 483 x 581 x 177mm
- Weight: 27kg

### SPAN & DRIFT

- Zero drift: 0.1 ppm / 7 days
- Span drift: < 1% / 7 days
- Linearity: ± 1% of F.S.
- Sample flow rate: 1.4 l/min

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Our complete project solutions are developed to assist you with achieving compliance.

We achieve this through:

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

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