

# 3010 MINIFID

## Portable heated FID VOC analyser



Portable Flame Ionisation Detector (FID) analysers for the discontinuous measurement of the mass concentration of gaseous and vaporous organic substances in stationary source emissions.

Typical applications include the emissions testing of solvent-using and combustion processes, engine emissions, and VOC abatement systems, as well as checking and calibrating installed CEMS and providing interim backup when CEMS are out of operation.

### Compliant

- USEPA: 40 CFR Part 60 method 25A
- China: CPA 2015-C174
- EN14181 QAL1 (MCERTS) applied for

### Flexible & reliable

- Designed for portability
- Military style design
- Thousands sold globally
- Many still in operation after years of rigorous work

### Easy to use

- Warm-up typically 20 mins
- No microprocessor or software
- Just 5 simple functions
- 0-10v output or optional logger



Rack-mounted  
FID for continuous  
monitoring



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## SPECIFICATIONS

### ACCREDITATIONS

EN 15267-4:2017  
EN 12619:2013  
EN 61000-6-1:2007  
EN 61000-6-3:2007+A1:2011  
EN 61000-6-4:2007+A1:2011  
EN 61010-2-081:2015  
USEPA: 40 CFR Part 60 method 25A  
China: CPA 2015-C174

### SENSITIVITY

0.1% of range

### LINEARITY

2% of measured value

### ZERO DRIFT

2% of reading per week

### RESPONSE TIME

T90 in 2 seconds

### POWER

110V AC or 220V AC, 500 Watts

### HEATED SAMPLE LINE TEMPERATURE

190 °C

### ANALYSER SAMPLING SYSTEM TEMPERATURE

190 °C

### WEIGHT WITH GAS BOTTLES

12 Kg (25 lbs)

### WEIGHT WITHOUT GAS BOTTLE

9Kg (18 lbs)

### DIMENSIONS

210 x 300 x 240mm

### SAFETY INTERLOCK

Fuel shuts off if flame goes out

### SAMPLE INTERLOCK

Sample pump cannot start until analyser is at set temperature

### SAMPLE FILTER

0.4 microns (accessible from rear of analyser)

### SAMPLE FLOW

0.4-3 l/min. (internal sample pump)

### SAMPLE LINE LENGTHS

5 or 10 metres of 6mm Teflon heated to 190 °C controlled by the analyser. Plug in socket is wired so that the 5 and 10 metre lines connect to different contacts

### EASY CARRY

Shoulder strap with attachment clips

### OPERATING CONTROLS

3 ½ digit LCD display. Temperature reading for heated line & sampling system. Ignition switch. Range select and calibration controls

### RECORDER OUTPUTS

0-10 V DC and 4-20 mA isolated

### DATA LOGGER

Built into analyser with software for PC to log to spreadsheet

### GAS - QUICK CONNECTS

Colour coded for fuel and calibration gas

### GAS BOTTLE CAPACITY

1 litre water capacity

### FUEL CONSUMPTION H2

60ml/ min

### FUEL CONSUMPTION. H2/HE

180ml/min

### CAL GAS FLOW RATE

0.4 l/min

### ZERO AIR

Internal air compressor and activated carbon filter. Or optional catalyst

### FLAME AIR

Internal air compressor and activated carbon. Or optional catalyst

### ANALYSER WEATHER PROTECTION

IP 20 (IP 55 when fitted with tailored fabric cover)

### OPERATING AMBIENT TEMPERATURE

+5 to +40 °C

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