

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



SPECIFICATIONS

RANGES

Range A: 0-10,000ppm (Standard)
Range B: 0-10% High Range (Optional)

SENSITIVITY

0.01% of range

LINEARITY

2% of measured value

DRIFT

+/-0.2ppm or 2% range per week,
whichever greater

NOISE

+/-0.1ppm or % range, whichever
greater

RESPONSE TIME

<T90 in 2 seconds

POWER

110V AC or 220V AC, 500 Watts

HEATED SAMPLE LINE TEMPERATURE

191 °C

ANALYSER SAMPLING SYSTEM TEMPERATURE

191 °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 of at least 130 °C

SAMPLE FILTER

0.4 microns PTFE which can be cleaned
and reused (accessible from rear of
analyser)

SAMPLE FLOW

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

SAMPLE LINE LENGTHS

3, 5, 10 or 15m of 1/4" OD PTFE heated
to 191°C controlled by the gas analyser.
Other lengths up to 15m on request.

EASY CARRY

Shoulder strap with attachment clips

OPERATING CONTROLS

3 1/2 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

180ml/min with H2/He (40%/60%)
35ml/min for H2

CALIBRATION GASES

1000ppm C3H8/air (Standard)
500ppm CH4/air

CAL GAS FLOW RATE

0.4 l/min

ZERO AIR

Internally generated with carbon or
catalytic scrubber

FLAME AIR

Internally generated with carbon or
catalytic scrubber

ANALYSER WEATHER PROTECTION

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

OPERATING AMBIENT TEMPERATURE

+5 to +40 °C

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

Authorised Representative: