

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



3010 MINIFID

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

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

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. Other lengths up to 15m on
request

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 mAmp 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

35ml/ min

FUEL CONSUMPTION. H2/HE

180ml/min

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

Authorised Representative:



www.signal-group.com

Signal Group Ltd

Standards House, Doman Road, Camberley, Surrey GU15 3DF
United Kingdom

Tel: +44 (0)1276 682841 Email: sales@signal-group.com



ISO
9001 : 2015
REGISTERED

Cert No. 317012019