

Total Hydrocarbon Analyser FID

**Portable Flame-Ionisation-Detector
iFiD Mobile for continuous monitoring**

**Certification according EN 15267-4
and QAL1 (in preparation)**

Description

The **iFiD Mobile** Flame-Ionisation-Detector (FID) measures the Total Hydrocarbon concentration in industrial and laboratory environment. Because of its light weight and compact dimensions, it is especially made for daily changing measuring points or short-time measurements.

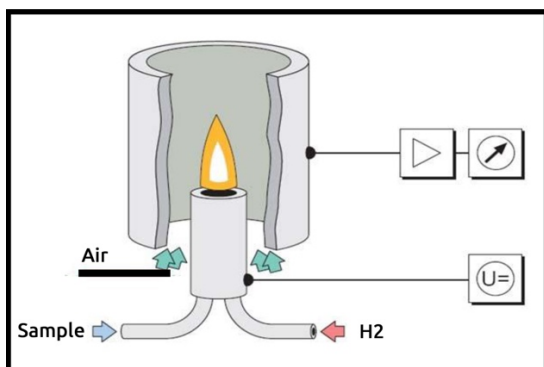
Special Advantages

- User-friendly Touchpanel 7" TFT
- Graphic Display of HC-concentration
- Single Range – no switch between ranges
- Heated integrated Samplegasfilter 300°C
- Internal Datalogging by USB Stick
- Built in Zero gas generator (option)
- Internal Response factor correction

Applications

- Emission monitoring
- Indoor VOC control
- Waste plants and process control
- Automotive applications

Operation principle



iFiD Mobile

System Performance

Measuring component: C_xH_y
 Operation: 7" TFT – Touch
 Display: ppmC₃ or ppm C₁ mgC/m³
 Measuring range: 0 - 30.000 ppmC¹

Repeatability: ± 1 % of Range
 Zero drift: ± 1 % in 24 h
 Response time: 1 Sec. (T₉₀)
 Warm-up time: 15 minutes

Analogue Output: 0-20mA ; 0-10V
 Digital Output: Ethernet - RS232
 Remote control: VNC; over tablet

Gas Requirements:

- Fuel: H₂ 5.0 or He/H₂
- Span gas: C₃H₈
- Zero gas: N₂ or synthetic air
- Combustion air: over built in cat

Fuel consumption: 30 ml/min
 Zero / Spangas: 1 l/min

Flowcontrol: integrated
 Pressure Compensation: -150hPa +500hPa

Power supply: 100 V ... 240 V
 Frequency: 50 Hz.... 60 Hz
 Power consumption: 350 W

Ambient temperature: 0°C ... +45°C
 Protection class: IP42
 Dimensions (H x W x D): 178x370x420mm

Weight: 12 kg