

Total Hydrocarbon Analyser FID

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

Certification according **EN 15267-4**
QAI 1 and MCerts



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.

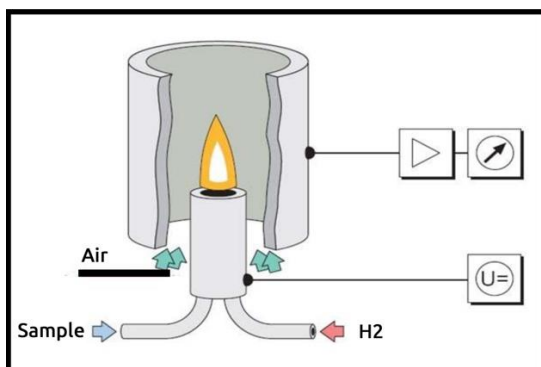
Special Advantages

- User-friendly Touchpanel 7" TFT
- Graphic Display of HC-concentration
- Single Range – no switch between ranges
- Heated integrated Samplegasfilter 190°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 _x H _y
Detector temperature:	190°C
Optional:	300°C
Operation:	7" TFT – Touch
Display:	ppmC ₃ or ppm C ₁ mgC/m ³
Measuring range:	0 - 100.000 ppm C ³
Repeatability:	± 1 % of Range
Zero drift:	± 1 % in 24 h
Response time:	appr. 1 Sec. (T ₉₀)
Warm-up time:	15 minutes
Analogue Output:	0/4-20mA ; 0-10V
Digital Output:	Ethernet, RS232
Datastorage:	USB Stick
Remote control:	VNC; over tablet

Gas Requirements:

- Fuel: H₂ 5.0 or He/H₂
- Span gas: C₃H₈ or CH₄
- Zero gas: N₂ or synthetic air
- Combustion air: over built in cat

Fuel consumption:	appr. 30 ml/min
Zero / Spangas:	appr. 1 l/min
Flowcontrol:	integrated
Pressure Compensation:	-150hPa +500hPa

Power supply:	115 / 230 V
Frequency:	50 - 60 Hz
Power consumption:	350 W
Ambient temperature:	5°C ... +45°C
Protection class:	IP42
Dimensions (H x W x D):	178x370x420mm
Weight:	12 kg