

High temperature Total Hydrocarbon Analyser FID

**19" Rack Flame-Ionisation-Detector
iFiD Rack for continuous monitoring**

**Certification according to EN 15267-3
QAL1 and MCerts**



Description

The iFiD RACK stationary flame ionization detector (FID) is designed for stack monitoring, process control and also for VOC measurement. The gas path can be heated to 190°C throughout, which is why we refer to this as a high-temperature FID. Optionally possible up to 400°C on request.

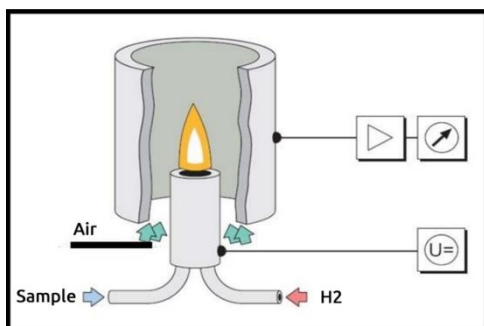
Special Advantages

- User-friendly Touchpanel 7" TFT
- Single Range – no switch between ranges
- Graphic Display of HC-concentration
- Heated integrated Samplegasfilter up to 400°C
- Internal Datalogging by USB Stick
- Built in Zerogasgenerator (option)
- Injectorversion available

Applications

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

Operation principle



iFiD Rack

System Performance

Measuring component:	C_xH_y
Detector temperature	190°C
Optional	300°C – 400°C
Operation:	7" TFT – Touch
Display: ppmC ₃ or ppm C ₁	mgC/m ³
Measuring range:	0-100.000 ppmC 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	H ₂ 5.0 or He/H ₂
• Span gas:	C ₃ h ₈ or CH ₄
• Zero gas:	N ₂ 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:	-150h mbar +500 mbar
Power supply:	115 / 230 V
Frequency:	50 - 60 Hz
Power consumption:	350 W
Ambient temperature:	5°C ... +45°C
Protection class:	IP40
Dimensions (H x W x D):	133x482x420 mm
Weight:	12 kg