

Total Hydrocarbon Analyser FID

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

**Certification according to EN 15267-3
(In preparation)**



iFiD Rack

Description

The stationary Flame-Ionisation-Detector (FID) *iFiD RACK* is designed for stack monitoring, process control and also for VOC measurement. The whole gaspath is heated to 300°C and so we can speak from a Hightemperature-FID.

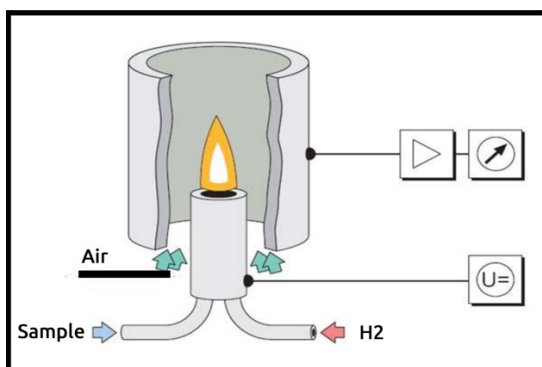
Special Advantages

- User-friendly Touchpanel 7" TFT
- Single Range – no switch between ranges
- Graphic Display of HC-concentration
- Heated integrated Samplegasfilter 300°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



System Performance

Measuring component: C_xH_y
 Operation: 7" TFT – Touch
 Display: ppmC₃ or ppm C₁
 Measuring range: mgC/m³
 0-10.000 mgC/m³

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
 Datastorage: USB Stick
 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: IP40
 Dimensions (H x W x D): 133x482x420 mm

Weight: 15 kg