Total Hydrocarbon Analyser FID

19´´ Rack Flame-Ionisation-Detector

iFiD Rack for continuous monitoring

Certification according to EN 15267-3
(In preparation)

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 High Temperature-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: \( C_x H_y \)
Operation: 7” TFT – Touch
Display: ppmC\(_3\) or ppm C\(_1\)
Measuring range: 0-10,000 mgC/m\(^3\)

Repeatability: \( \pm 1\% \) of Range
Zero drift: \( \pm 1\% \) in 24 h
Response time: 1 Sec. (T\(_{90}\))
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: \( H_2 \) 5.0 or He/H\(_2\)
- Span gas: \( C_3H_8\)
- Zero gas: \( N_2 \) 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