Total Hydrocarbon Analyser FID

Portable Flame-Ionisation-Detector
iFiD Mobile for continuous monitoring

Certification according EN 15267-4 and QAI 1 (in preparation)

Description

The iFiD Mobile Flame-Ionisation-Detector (FID) measures the Total Hydrocarbon concentration in industrial and laboratory environments. 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

System Performance

Measuring component: \( C_x H_y \)
Operation: 7” TFT – Touch
Display: ppmC_3 or ppm C_1
Measuring range: 0 - 30.000 ppmC

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: IP42
Dimensions (H x W x D): 178x370x420mm
Weight: 12 kg