iFiD Mobile

Portable Flame-Ionisation-Detector (FID) iFiD Mobile for continuous monitoring

Certification according EN 15267-4 QAl 1 and MCerts

Description

The portable Flame-Ionisation-Detector (FID) measures the Total Hydrocarbon concentration in industrial and laboratory environment. Because of it`s light weight and compact dimensions, it is especially made for daily changing measuring points or short-time measurements.

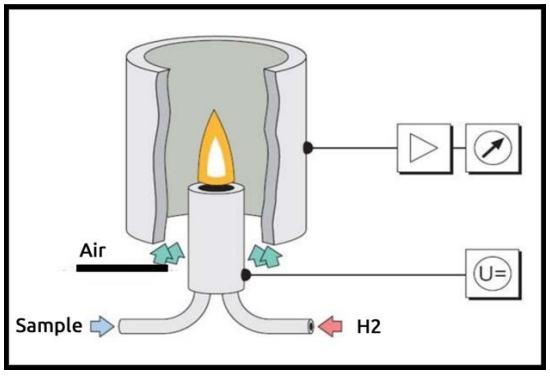
Special Advantages

- 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



System Performance

Measuring component:	C_xH_y
Detector temperature:	190°C
Optional	300°C
Operation:	7” TFT – Touch
Display:	ppmC_3, ppm C_1 or 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; iFiD Master

Gas Requirements:

• Fuel	H_2 5.0 or He/H_2
• Span gas:	C_3H_8 or CH_4
• Zero gas:	over built in cat
• 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