iFiD NMHC

NMHC Flame-Ionisation-Detector
iFiD NMHC for Mobile monitoring
of NMHC, THC und CH_4

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

Description

The **iFiD Mobile** Flame-Ionisation-Detector (FID) *iFiD NMHC* measures with its built in NMHC Cutter the methane concentration and parallel in a second channel also the THC in a wide range of applications like stack gas emissions monitoring, ambient air monitoring, thermal reactor and combustor emissions monitoring and also vehicle exhaust gases. The monitoring is continous with a high accuracy, sensitivity and stability. All components which come in contact with sample are fully heated at 200°.

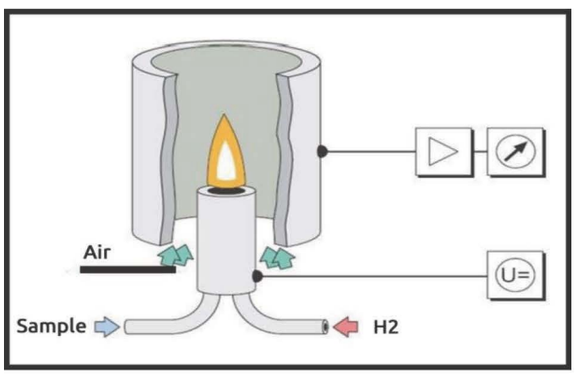
Special Advantages

- 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 Zero gas generator (option)
- Internal Response factor correction

Applications

- Emission monitoring
- Fuel Cells
- Waste plants and process control
- Landfills

Operation principle



iFiD Mobile

System Performance

Measuring component:	CH_4 and C_xH_y
Operation:	7" TFT – Touch
Display:	NMHC CH_4 THC
Measuring range:	0-10.000 mgC/m³
Repeatability:	± 1 % of Range
Zero drift:	± 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
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