

iFiD NMHC

NMHC Flame-Ionisation-Detector
iFiD NMHC for Mobile for monitoring
of NMHC, THC and CH₄

Complies with EN 12619 & EN 13526
standards for emission monitoring
EN 24150 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 air monitoring, thermal reactor and combustor emissions monitoring and also vehicle exhaust gases. The monitoring is continuous with a high accuracy, sensitivity and stability. All components which come in contact with sample are fully heated at 200°.

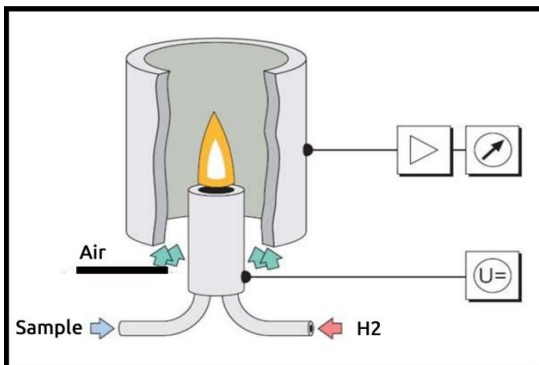
Special Advantages

- User-friendly Touchpanel 7" TFT
- Single Range – no switch between ranges
- Graphic Display of NMHC, CH₄ and THC
- 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
- andfills

Operation principle



iFiD NMHC

System Performance

Measuring component: CH₄ and C_xH_y
 Operation: 7" TFT – Touch
 Display: ppmC₃ or ppm C₁ NMHC CH₄ THC
 Measuring range: 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
 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: IP42
 Dimensions (H x W x D): 178x370x420mm
 Weight: 12 kg