

Total Hydrocarbon Analyser FID

**Outdoor Flame-Ionisation-Detector
iFiD Mobile for continuous monitoring**

**Complies with EN 12619 & EN 13526
standards for emission monitoring**



Description

The stationary Flame-Ionisation-Detector (FID) *iFiD Wall* was made for rough conditions and field installation. This unit measures the Total Hydrocarbon concentration especially in heavy industrial environment. The stainless steel housing in protection class IP65 gives the analyser a strong protection all year long.

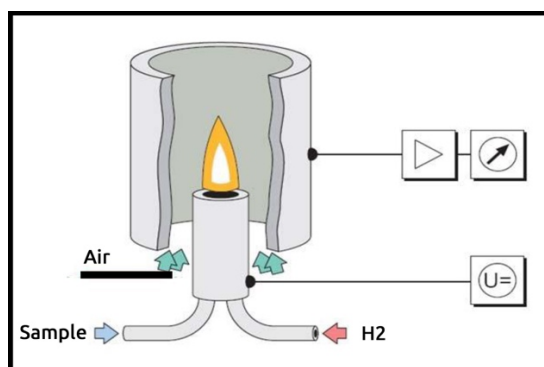
Special Advantages

- User-friendly Touchpanel 7" TFT
- High temperature Sample path: 300°C
- Warm up time: 15 min
- Built in heated Sample filter 300°C
- Internal Datalogging by USB Stick
- Built in Zerogasgenerator (option)
- Safety: Automatic Hydrogen cut off

Applications

- Emission monitoring
- Process VOC control
- Waste plants and burning control
- Drier and Activated carbon control

Operation principle



iFiD Wall

System Performance

| | |
|--|---|
| Measuring component: | C_xH_y |
| Operation: | 7" TFT – Touch |
| Display: ppmC ₃ or ppm C ₁ | mgC/m ³ |
| Measuring range: | 0-10.000 mgC/m ³ |
| 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 |
| Datastorage: | USB Stick |
| Remote control: | VNC; over tablet |
| Gas Requirements: | |
| • Fuel | H ₂ 5.0 or He/H ₂ |
| • Span gas: | C ₃ H ₈ |
| • Zero gas: | N ₂ or syntetic 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: | IP65 |
| Dimensions (H x W x D): | 200x410x420 mm |
| Weight: | 15 kg |