

iFiD Dual

19" Rack Flame-Ionisation-Detector
iFiD Rack for continuous monitoring of 2 channels parallel



iFiD[®] Dual

Description

The stationary Flame-Ionisation-Detector (FID) *iFiD Dual* is designed for measuring at two points with one unit. This saves money in comparison to a 2 unit solution. With a heated solenoid you can also measure 4 channels controlled by internal software (switching time for each channel)

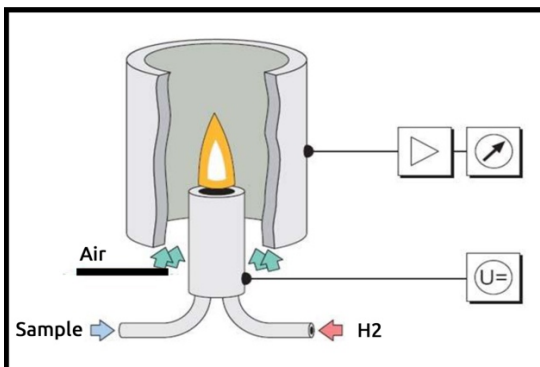
Special Advantages

- 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

Applications

- Before / After Cat Analysis
- Indoor VOC control for multiple points
- Waste plants and process control
- Automotive applications

Operation principle



System Performance

Measuring component: C_xH_y
 Operation: 7" TFT – Touch
 Display: ppmC₃ or ppm C₁
 Measuring range: mgC/m³
 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: 2x 30 ml/min
 Zero / Spangas: 2 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: IP40
 Dimensions (H x W x D): 133x482x420 mm

Weight: 15 kg