Total Hydrocarbon Analyser FID

19´´ Rack Flame-Ionisation-Detector
iFiD Rack for continuous monitoring

Certification according to EN 15267-3
(In preparation)

iFiD Rack

Description

The stationary Flame-Ionisation-Detector (FID) *iFiD RACK* is designed for stack monitoring, process control and also for VOC measurement. The whole gaspath is heated to 300°C and so we can speak from a Hightemperature-FID.

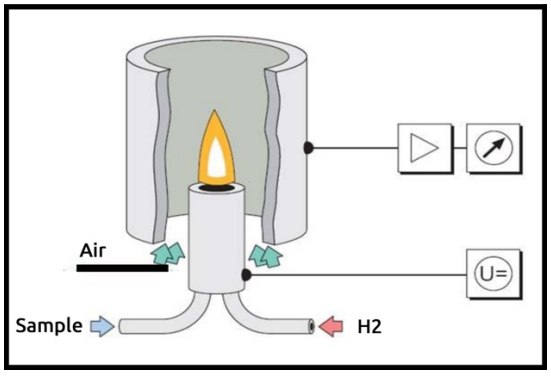
Special Advantages

- 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 Zerogasgenerator (option)
- Injectorversion available

Applications

- Emission monitoring
- Indoor VOC control
- Waste plants and process control
- Automotive applications

Operation principle



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
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:	IP40
Dimensions (H x W x D):	133x482x420 mm
Weight:	15 kg

Gas-Detection
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