TESTA

iFiD Rack

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

Certification according to EN 15267-3 QAL1 and MCerts

mCERTS TÜV SÜD

Description

The iFiD RACK stationary flame ionization detector (FID) is designed for stack monitoring, process control and also for VOC measurement. The gas path can be heated to 190°C throughout, which is why we refer to this as a high-temperature FID. Optionally possible up to 400°C on request.

Special Advantages

- User-friendly Touchpanel 7" TFT
- Single Range – no switch between ranges
- Graphic Display of HC-concentration
- Heated integrated Samplegasfilter up to 400°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
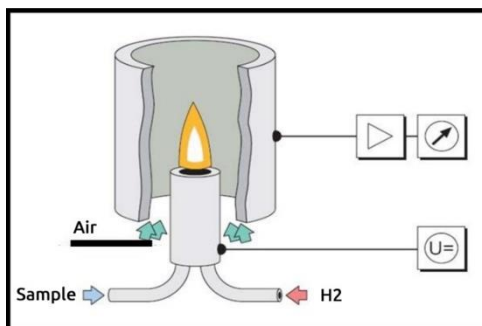
System Performance

Measuring component:	C_xH_y
Detector temperature	190°C
Optional	300°C – 400°C
Operation:	7" TFT – Touch
Display:	ppmC_3 or ppm C_1 mgC/m^3
Measuring range:	0-100.000 ppmC^3
Repeatability:	$\pm$ 1 % of Range
Zero drift:	$\pm$ 1 % in 24 h
Response time:	appr. 1 Sec. (T_{90})
Warm-up time:	15 minutes
Analogue Output:	0/4-20mA ; 0-10V
Digital Output:	Ethernet , RS232
Datastorage:	USB Stick
Remote control:	VNC; iFiD Master

Gas Requirements:

- Fuel — H_2 5.0 or He/H_2
- Span gas: — C_3h_8 or CH_4
- Zero gas: — N_2 or synthetic air
- Combustion air: — over built in cat

Fuel consumption:	appr. 30 ml/min
Zero / Spangas:	appr. 1 l/min
Flowcontrol:	integrated
Pressure Compensation:	-150h mbar +500 mbar
Power supply:	115 / 230 V
Frequency:	50 - 60 Hz
Power consumption:	350 W
Ambient temperature:	5°C … +45°C
Protection class:	IP40
Dimensions (H x W x D):	133x482x420 mm
Weight:	12 kg

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