

Total Hydrocarbon Analyser FID

19" Rack Flame-Ionisation-Detector
iFiD SHED for continuous monitoring

VDA 276 Chamber testing

Description

The stationary Flame-Ionisation-Detector (FID) iFiD SHED was designed as a 19" Rackunit. This analyzer is designed to measure volatile organic compounds in different size SHED-chambers. The device is available in a bypass circuit version and an extraction version. The special advantage of the extraction version is a sample flow of only 12-15ml per minute. The whole gaspath is heated to 200°C and with its unique Pyrolysis cleaning system you can clean easily and save service costs.

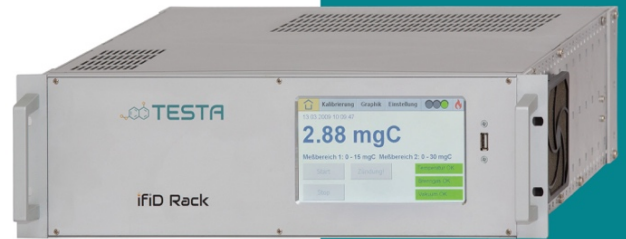
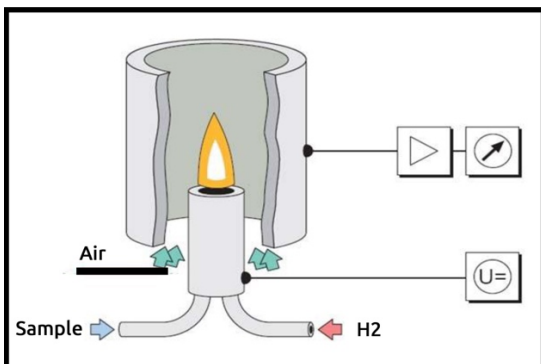
Special Advantages

- User-friendly Touchpanel 7" TFT
- Single Range – no switch between ranges
- Graphic Display of HC-concentration
- Internal Datalogging by USB Stick
- Built-in Pyrolysis cleaning function
- Injector version available

Standards fulfilled

- BMW GS97014-2 und GS97014-3
- Volkswagen PV 3942
- VDA 276
- VCS 1027,2769
- DIN ISO 12219-4

Operation principle



iFiD SHED

System Performance

Measuring component:	C_xH_y
Operation:	7" TFT – Touch
Display: ppmC ₃ or ppm C ₁	mgC/m ³
Measuring range:	0-30.000 ppmC ¹
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 ₃ H 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:	12 kg