

Total Hydrocarbon Analyser FID

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

VDA 276 Chambertesting

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 oft he 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.

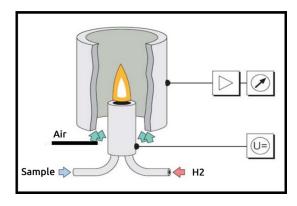
Special Advantages

- User-friendly Touchpanel 7" TFT
- Single Range no switch between ranges
- Graphic Display of HC-concentration
- Internal Datalogging by USB Stick
- Builtin Pyrolysis cleaning function
- Injectorversion 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_vH_v

Operation: 7" TFT – Touch

Display: $ppmC_3$ or $ppm C_1$ mgC/m^3 Measuring range: 0-30.000 $ppmC^1$

Repeatability: \pm 1 % of Range Zero drift: \pm 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

VNC; over tablet

Datastorage: USB Stick

Gas Requirements:

Remote control:

Fuel H_{2} 5.0 or He/ H_{3}

Span gas: C₃H₂

Zero gas: N₂ 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

Power consumption: 350 W
Ambient temperature: 0°C ... +45°C
Protection class: IP40

Dimensions (H x W x D): 133x482x420 mm

Weight: 12 kg