

iFiD Dual

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

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)

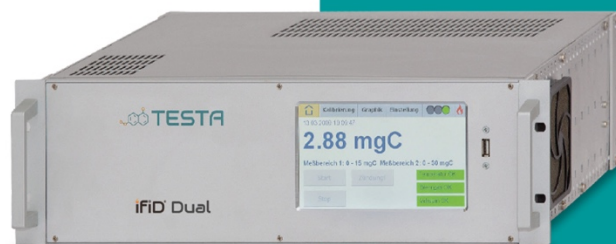
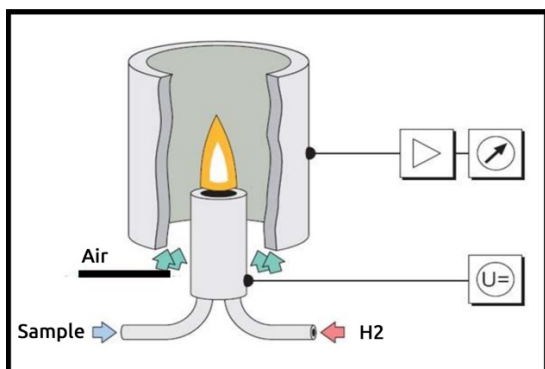
Special Advantages

- 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



iFiD[®] Dual

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
Datastorage:	USB Stick
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:	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