

## 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)

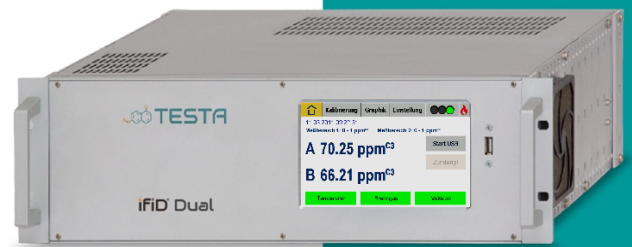
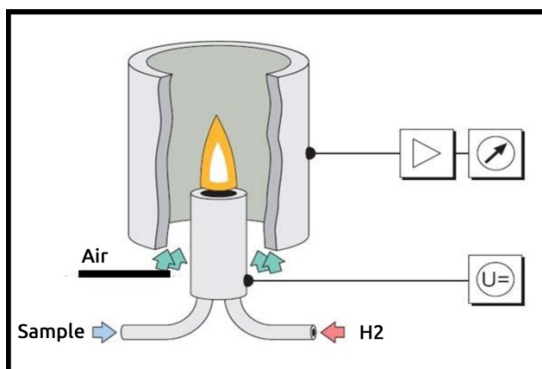
### Special Advantages

- 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<sup>®</sup> Dual

### System Performance

Measuring component:	$C_xH_y$
Operation:	7" TFT – Touch
Display:	ppmC <sub>3</sub> or ppm C <sub>1</sub> mgC/m <sup>3</sup>
Measuring range:	0-10.000 mgC/m <sup>3</sup>
Repeatability:	± 1 % of Range
Zero drift:	± 1 % in 24 h
Response time:	1 Sec. (T <sub>90</sub> )
Warm-up time:	15 minutes
Analogue Output:	0-20mA ; 0-10V
Digital Output:	Ethernet - RS232
Datastorage:	USB Stick
Remote control:	VNC; over tablet
<b>Gas Requirements:</b>	
• Fuel	H <sub>2</sub> 5.0 or He/H <sub>2</sub>
• Span gas:	C <sub>3</sub> H <sub>8</sub>
• Zero gas:	N <sub>2</sub> 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