# TESTA

# iFiD Dual

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

# iFiD® Dual

## 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)
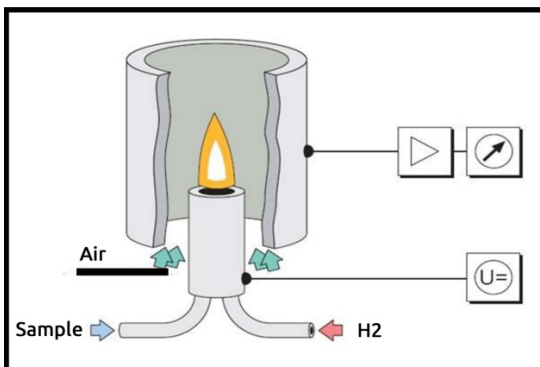
## Special Advantages

- 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



## 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: | $\pm$ 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 |
| Remote control: | VNC; over tablet |

Gas Requirements:

- Fuel — $H_2$ 5.0 or He/$H_2$
- Span gas: — $C_3H_8$
- 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 |