

# Total Hydrocarbon Analyser

## Product Specification 19" rack version Flame-Ionisation Detector FID 1230

**TÜV approved according to all German standards (TA-Luft, 2.BImSchV, 17. BImSchV)**

### Applications

The Flame-Ionisation-Detector (FID) 1230 Module measures Total Hydrocarbons in a wide range of applications like catalytic- and thermal oxidiser plants, waste gas processing plants, room and environmental air, solvent recovery plants and vehicle exhaust gases. The monitoring is continuous with a high accuracy. Because of the module system, there is an optimal configuration for every measurement-task under profit aspects possible. All modules can be fit in at any time.

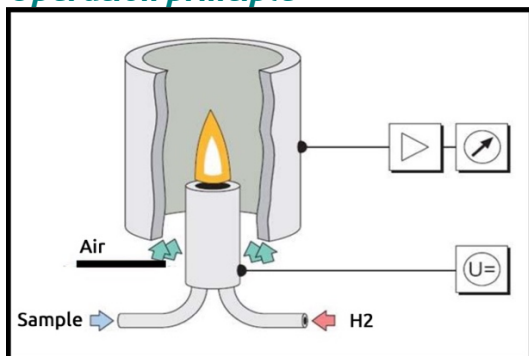
### Features

- Modul assembly according to your application
- Analytical section heated to 200°C
- Option: 300°C
- Pump version and total maintenance free injector version available
- Filter monitoring
- automatic Flame ignition
- Hydrogen cut off

### Optional Modules

- RS 232 module
- Temperature controlling/regulating module
- Software in english language for analyser operation and datalogging in MS-Excel format
- Control module (temperature, pressure, ...)

### Operation principle



### System Performance FID 1230 Module

Measuring component:	C <sub>x</sub> H <sub>y</sub>
Display:	6-digit, LED
Decadic measuring range:	5
Smallest measuring range:	0 - 10 ppm
Largest measuring range:	0 - 100.000 ppm
Range selection:	man./automatic
Repeatability:	+/- 1 % of reading
Instrument zero drift:	+/- 1 % in 24 h
Analyser response time (input FID): (T <sub>90</sub> )	1 Sec.
Warm-up-time	approx. 30 min.
Analogue outputs:	
- current loop:	0-20 mA or 4-20 mA
- Voltage:	0-10 V
Gas Requirements:	
- Fuel:	H <sub>2</sub> , 5.0
- Span gas:	C <sub>3</sub> H <sub>8</sub>
- Zero gas:	N <sub>2</sub> , 5.0 or syn. air
- Combustion air:	catalyst built in
Fuel consumption:	approx. 35 ml/min
Zero- and Spangas consumption:	1 l/min
Power supply:	230 V / 50 Hz
Option:	115 V / 60 Hz-50Hz
Power consumption:	300 W
Ambient temperature:	0 - 45°C
Dimensions (H x W x D):	3Hex19"x460 mm
Weight:	approx. 23 kg