

# Total Hydrocarbon Analyser

**FID 2000MP**  
**Datasheed HC-Analysator**

## Autocalibration

## Applications

The Flame-Ionisation-Detector (FID) 2000 MP measures the concentration of Total Hydrocarbons in a wide range of applications like all kind of emission control, catalytic- and thermal oxidiser plants, waste gas processing plants, room and environmental air (immissions), solvent recovery plants and vehicle exhaust gases. The monitoring is continuous with a high accuracy.

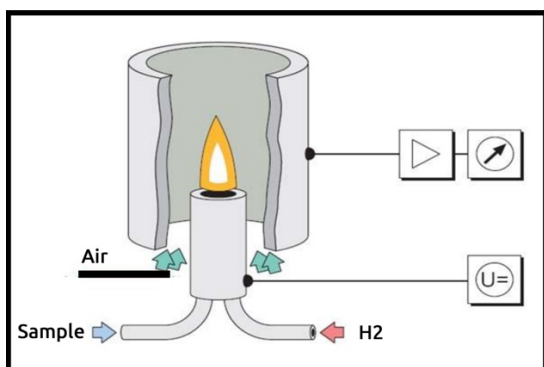
## Features

- Analytical section heated on 200°C
- Connection for 4 calibration gases
- Warming up from 20°C to 200°C in 30 minutes
- Automatic calibration
- Simple operation, easy to use
- Automatic Flame ignition
- Hydrogen cut off

## Optional accessoires

- Heated lines
- Zero gas generator CAP
- Heated filters
- Heated valve

## Operation principle



## Technical data FID 2000MP

### 19" Rack-design

Measuring component:	$C_xH_y$
Display:	5 1/2 -digit, LED
Measuring ranges:	4
Smallest measuring range:	0 - 10 ppm
Highest measuring range:	0 - 3.000 ppm
Range selection:	man./automatic
Repeatability:	+/- 1 % of reading
Instrument zero drift:	+/- 1 % in 24 h
Analyser response time (input FID):	1 Sec. $T_{90}$
Warmup-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> Quality 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:	airgenerator CAP
Fuel consumption:	approx.150
ml/min	
Zero- and Spangas consumption:	1000 ml/min
Power supply:	230 V / 50 Hz
Option:	115 V / 60 Hz-50Hz
Power consumption:	500 W
Ambient temperature:	0 - 45°C
Dimensions (H x W x D):	3HU x19"x460 mm
Weight:	approx. 21 kg