

# Total Hydrocarbon Analyser

## Product Specification wall mount Flame-Ionisation-Detector 3001W

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

### Applications

The Flame-Ionisation-Detector 3001W 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. Because of its swingable housing, there is an easy installation and optimal accessibility guaranteed. This wallmounted analyser is a compact, robust weatherproofed version. The environmental protectionmode is IP55.

### Features

- Modul assembly according to your desires
- Analytical section heated on 300°C
- Warming-up-time from 20°C to 300°C in only 30 minutes
- Filter monitoring
- automatic Flame ignition
- Hydrogen cut off

### Overview



### System Performance FID 3001W

Measuring component:	$C_xH_y$
Display:	6-digit, LED
Decadic measuring range:	5
Smallest measuring range:	0 - 10 ppm
Largest measuring range:	0 - 100.000 ppm
Range selection:	manual
Repeatability:	+/- 1 % of reading
Instrument zero drift:	+/- 1 % in 24 h
Analyser response time (input FID): ( $T_{90}$ )	1 Sec.
Warm-up time	approx. 30 min.
Analogue output: current loop:	0-20 or 4-20 mA
Gas Requirements:	
- Fuel:	$H_2$ , 5.0
- Span gas:	$C_3H_8$
- Zero gas:	$N_2$ , 5.0 or synth.air
- Combustion air:	carcoal cartridge
Fuel consumption:	approx. 35 ml/min
Zero- and Spangas consumption:	1 l/min
Combustion air consumption:	30 l/h.
Power supply:	230 V / 50 Hz
Option:	115 V / 60 Hz -50Hz
Power consumption:	300 W
Ambient temperature:	0 - 45°C
Size (H x W x D):	325x600x465 mm
Weight:	36 kg