

Total Hydrocarbon Analyser

Portable Flame-Ionisation-Detector FID 2010T Continuous monitoring

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

Applications

The Flame-Ionisation-Detector 2010 T 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. By its little weight and its compact dimensions, he is especially made for daily changing measuring points or short-time measurings.

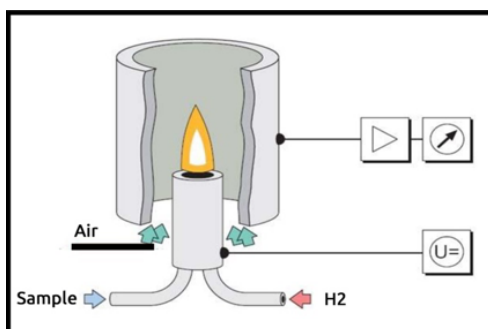
Features

- Modul assembly according to your desires
- Analytical section heated to 200°C
- Option: 300°C
- Warming-up-time from 20°C to 300°C in only 25 minutes
- Filter monitoring
- automatic Flame ignition
- Hydrogen cut off

Optional Modules

- RS 232 module
- Temperature controlling module
- Software in english language for operating the analyser and datalogging in MS-Excel format

Operation principle



System Performance FID 2010T

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:	manually
Repeatability:	+/- 1 % of reading
Instrument zero drift:	+/- 1 % in 24 h
Analyser response time (input FID): (T_{90})	1 Sec.
Warming-up-time	approx. 25 min.
Analogue outputs:	
- current loop:	0-20 mA, 4-20 mA
- Voltage:	0-10 V
Gas Requirements:	
- Fuel:	H_2 , Quality 5.0
- Span gas:	C_3H_8
- Zero gas:	N_2 , 5.0 or synt. air
- Combustion air:	catalysator 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
Size (H x W x D):	200x410x420 mm
Weight:	approx. 15 kg