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 it`s little weight and it`s compact dimensions, he is especially made for daily changing measuring points or short-time measurings.

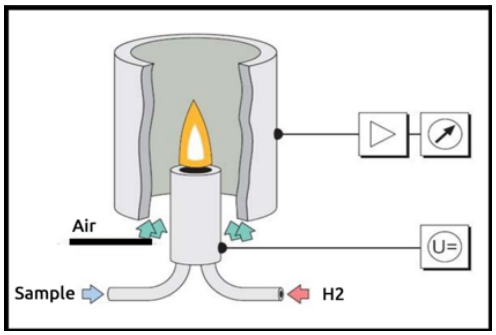
Features

- 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