

Methane / THC Analyser

**Product Specification portable Version
Flame-Ionisation Detector
FID 2010 NMHC**

**Methane only / Total Hydrocarbon THC
monitoring system (Change-over switch)**

Applications

The portable TESTA High Temperature Heated FID 2010 NMHC measures with its built in NMHC Cutter the methane concentration (methane only) and after switching over to a different channel also the THC in a wide range of applications like stack gas emissions monitoring, ambient air monitoring, thermal reactor and combustor emissions monitoring and also vehicle exhaust gases. The monitoring is continuous with a high accuracy, sensitivity and stability. All components which come in contact with sample are fully heated at 200°.

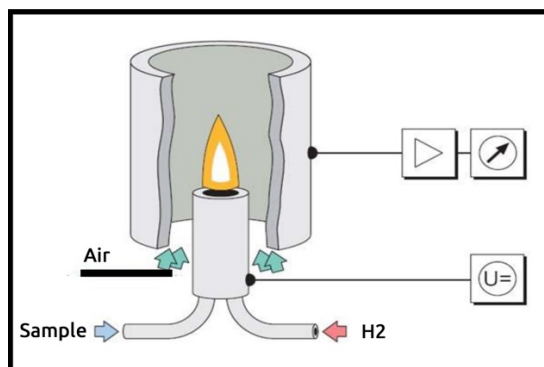
Features

- Designed for continuous operation
- Built in burner air generator
- Easy to change built in sample filter.
- Fuelgas shut off automatic
- Automatic Flame ignition

Optional Modules

- USB Interface
- Temperature controlling/regulating module
- Software in english for analyser operation and datalogging (MS-Excel)

Operation principle



System Performance FID 2010NMHC

Measuring component:	CH ₄ / C _x H _y
Display:	6-digit, LED
Sensitivity:	max. 0,1 ppm CH ₄
<u>Ranges:</u>	
Smallest measuring range:	0-10 ppm CH ₄
Largest measuring range: (Permanent)	3.000 ppm CH ₄
Largest measuring range: (Short time)	10.000 ppm CH ₄
Repeatability:	+/- 1 % full scale
Instrument zero drift:	+/- 1 % full scale
Analyser response Time (T ₉₀) :	< 1 sec. THC
Temperature FID	200°C
Warm-up-time	approx. 25 min.
Analogue outputs:	
- current loop:	0-20 mA or 4-20 mA
- Voltage:	0-10 V
Gas Requirements:	
- Fuel:	He/H ₂ , 5.0
- Span gas:	C ₃ H ₈
- Zero gas:	Synthetic air
- Burner air:	built in generator
Fuel consumption:	aprx. 200 ml/min
Zero- and Spangas consumption:	1 l/min overflow
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):	3HU 19"x460 mm
Weight:	approx. 15 kg