

# 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°.

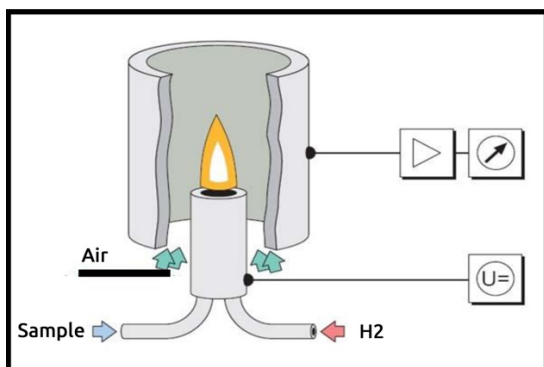
### Features

- 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 <sub>4</sub> / C <sub>x</sub> H <sub>y</sub>
Display:	6-digit, LED
Sensitivity:	max. 0,1 ppm CH <sub>4</sub>
<u>Ranges:</u>	
Smallest measuring range:	0-10 ppm CH <sub>4</sub>
Largest measuring range: (Permanent)	3.000 ppm CH <sub>4</sub>
Largest measuring range: (Short time)	10.000 ppm CH <sub>4</sub>
Repeatability:	+/- 1 % full scale
Instrument zero drift:	+/- 1 % full scale
Analyser response Time (T <sub>90</sub> ) :	< 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 <sub>2</sub> , 5.0
- Span gas:	C <sub>3</sub> H <sub>8</sub>
- 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