

FID-1230 IH

HIGH Temperature

Datasheet High-Temperature Analyzer for Exhaust gas measurement

Sample temperature 400°C

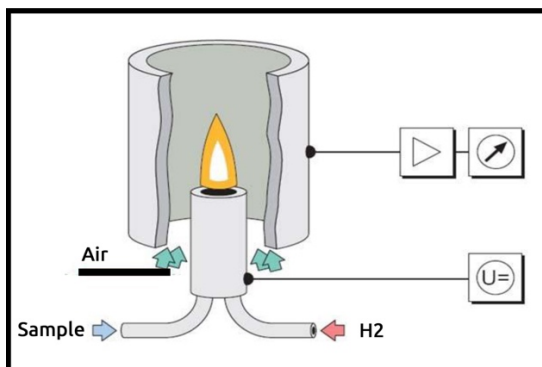
Product Description

The flame-ionization-detector 1230 I-H can measure the sum of total hydrocarbon concentration in applications like cold starts of engines (down to -40°C ambient temperature), in woodburning systems and also at engine test units (especially oil- and gasburners, airplane engines etc.) Our high temperature heated lines with a operation temperature of 400°C are made additionally for measurements of highboiling hydrocarbons. For the sample-gas pickup we have built some prefilters who are able to hold back the tar compounds.

Special advantages

- No moving parts in the sampleway (air-injector)
- Analysis at a temperature level of 400 °C
No hydrocarbons in sample path because of high temperature and extreme samplespeed
Quick responsetime and high resolution
- Very low maintenance
- Accessoires made for 400°C measurement

Funktionsprinzip



Technical data FID 1230IH

Measuring components:	C_xH_y
Measuring ranges:	5
Smallest range:	0 - 10 ppm
Largest range:	0 - 100.000 ppm
Range selection:	Manually/Auto.
Reproducibility:	+/- 1 %
Zero point drift:	+/- 1 % in 24 hrs.
Response speed from inlet:	3 Sec. (T90)
Heating time:	20°C- 400°C approx. 30 min.
Outlet:	
- current, galv. Sep.:	0-20 mA, 4-20 mA
- voltage:	0-10 V
Alarm:	Flamecontrol
Vacuum FID:	0,4 bar Vacuum
<u>Auxiliary gases:</u>	
- Fuel	He/H ₂
- Spangas:	C ₃ H ₈
- Zerogas:	N ₂ , 5.0
- Fuelair:	over Activcoal From roomair approx. 35 ml/min
Fuelconsumption:	
Zero- and spangascons.:	2 l/min
Fuelair:	30 l/Std.
Power:	230 V / 50 Hz
Capacity:	600 W
Ambient temperature:	0 – 45° C
Dimensions (L x Hx D):	220x44x350 mm
Weight:	approx. 23 kg