

FID (flame ionization detector) stationary

Product

Manufacturer: Amium
 Order number: 5601-00170
 Version: standard

Short Description:

detection of total hydrogen carbon in air. E.g.: can be used for maximum allowable concentration monitoring.



Physical specifications

dimensions (l/d/h):	241 x 400 x 178 mm	max. relative humidity:	75%, no bedewing
weight:	12,3 kg	operating temperature:	+10 to 40°C
power supply voltage:	230 V	protection class:	IP52
power supply frequency:	50 Hz	power consumption:	250 W

Performance specifications

inlet pressure:	-50 to 500 mbar (rel.)	max. data rate:	10 Hz
measuring gas flow:	2 (+/- 0.2) slpm	meas. range:	0-10.000 ppm CH ₄ /C ₃
sample pressure	200 mbar	reproducibility:	± 1% of the meas. scale end value
drift:	< 1 ppm / 24h	limit of detection:	± 1% of the meas. scale end value
linearity:	≤ 1% of the measured value at 50 – 100% of the span ≤ 2% of the measured value at 15 – 50% of the span ≤ 3‰ of the measuring scale end value to 15% of the span		

Additional Information

- Additional measuring ranges: 0 - 1000 ppm, 0 – 100 ppm and 0 – 10 ppm on request
- Different inlet filter sizes available for different reaction times
- Long-term stable and linear
- Inlet pressure range – 200 to 500 mbar (rel.) on request
- End to end heated sample conditioning
- All flow paths electronically regulated
- can be used in rack: 19" width, 4 HE height

Application areas:

- Measurement of the total hydrocarbon content in exhaust gases
- Monitoring chemical production processes
- Quality control of end products
- Monitoring of environmentally relevant pollutants in the air
- Monitoring of MAK-values

