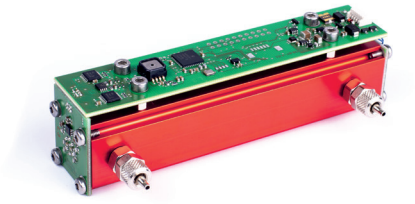
MicroFLOW

Inline NDIR bench for CH_4 and hydrocarbon monitoring



PRELIMINARY

Product benefits

- High accuracy by 5 point pre calibration
- Temperature and pressure compensated
- RS485 interface
- Low signal drift
- Low maintenace

Applications

- Industry: environmental monitoring and process controll as well as detection of leaks in petro chemical facilities
- Mining: underground monitoring of methane levels
- Agriculture: process monitoring in bio gas plants

Additional product information

Inline NDIR CH_4 sensor for measuring combustible and explosive gases such as methane or propane*. Designed for various gas measurement applications like environmental monitoring, process control or leak detection, even for hand held gas detection systems.

The sensor can easily be integrated into OEM systems. IR dual beam technology and mems based components provide long term stability due to low signal drift.

* ATEX conformity must be guaranteed by the customer through flame arresters.

Technical data

Technical parameter		Unit
General		
Order number	7207.02-A.00	
Measuring gas	CH_4 and other hydrocarbons	
Measurement range	0 – 5, switchable to 4.4	Vol.-%
Gas supply	M5 or hose screw connection 6/4mm	
Warm up time	< 1 minute (start-up) < 15 minutes (full spec)	
Dimensions	123 x 30 x 40 (L x W x H)	mm
Measurement		
Accuracy	± 0.1 Vol.-% ± 2 % MW	
Response time (t_{90})	< 10s @ 0.5 l/min	s
Digital resolution	0.005	Vol.-%
Electrical		
Supply voltage	24 ± 10%	V_{DC}
Power consumption	< 2	W
Digital interface	RS485	
Digital protocol	Micro-Hybrid industrial protocol	

Technical data

Technical parameter		Unit
Climatic conditions		
Operating temperature	-20 ... 65	°C
Humidity	0 ...95 % relative humidity (rH), not condensing	
Storage temperature	-20 ... 65	°C
Pressure range	800 – 1150	hPA

Disclaimer