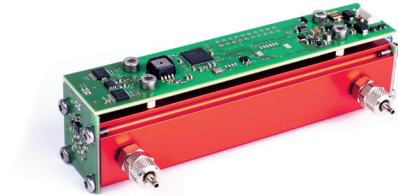


# MicroFLOW

Inline NDIR bench for CH<sub>4</sub> and hydrocarbon monitoring



## Product benefits

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

## Applications

- Industry: environmental monitoring and process control 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<sub>4</sub> 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.

Online shop for IR components and sensors

Filter products simply by selecting the desired properties and request your quotation.

 [microhybrid.com/shop](https://microhybrid.com/shop)



## Technical data

Technical parameter		Unit
<b>General</b>		
Order number	7207.02-A.00	
Measuring gas	CH <sub>4</sub> 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
<b>Measurement</b>		
Accuracy	± 0.1 Vol.-% ± 2 % MW	
Response time (t <sub>90</sub> )	< 10s @ 0.5 l/min	s
Digital resolution	0.005	Vol.-%
<b>Electrical</b>		
Supply voltage	24 ± 10%	V <sub>DC</sub>
Power consumption	< 2	W
Digital interface	RS485	
Digital protocol	Micro-Hybrid industrial protocol	

## Technical data

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

## Disclaimer

All rights reserved. All information in this data sheet are based on latest knowledge, results of practical experience and tests carried out. Earlier specifications are hereby invalid. All specifications – technical included – are subject to change without notice. It is the customer's responsibility to ensure that the performance of the product is suitable for customer's specific application. No liability is accepted for indirect damage, in particular for the use or inability to use the product. Any liability we may have is limited to the value of the product itself.