

## NDIR CO<sub>2</sub> OEM Sensor

Process & Environmental Monitoring Solutions





The compact OEM version of our dual channel NDIR CO<sub>2</sub> trace gas sensor allows the integration of our high quality sensor solution in customer electronic assemblies. This product offers the outstanding performance of our NDIR sensor modules in a compact, versatile form factor that meets the high requirements for sensitive trace gas detection in combination with the given constraints of a standard-compliant electrical circuit design.

In this way, we effectively support efficient product development and a secure market launch by ensuring not only the highest quality and reliable CO<sub>2</sub> detection options, but also security of supply.

## NDIR Sensor Module features

- compact and reliable
- high precision sensor
- fast response times

general

- stable performance at high and low temperatures
- low power consumption
- integrated dust and humidity filter
- wide application spectrum
  - o fast prototyping in application development scenarios
  - o integration in specific electronic circuit designs
  - OEM component in commercial products
  - o control in air cleaner and air conditioner



n quality CO <sub>2</sub> trace gas sensor for tinues concentration monitoring  I wavelength Non-Dispersive-Infrared IR) spectroscopy  3000 ppm (1)  ther ranges 5 % and 10 % on request  FS, ±3 % of measured value  50 °C, 0 to 95% RH (non-condensing) (2)  condensation resistant coating on request  S s warm-up time at 25 °C
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[3]
2 c warm up time at 25 °C
J S Walth-up little at 20 C
DC to 12 VDC <sup>[4]</sup>
VDC Regulated (±4%) on request
mA (Peak 80 mA)
RT (TTL 3.3 V) and analog (0 to 3 V)
65 mm x (H) 45 mm x (D) 17.6 mm
7
F

response time	5 s to 30 s					
humidity sensor (optional)						
measuring range	0 to 99.9 % RH					

-25 °C to 80 °C

±0.3 K

measuring range	0 to 99.9 % RH
accuracy	±3 % RH
response time	8s

scope	of	deli	ivery

measuring range

accuracy

temperature sensor (optional)

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	integrated temperature and humidity sensors
	on request
	bare PCB with Molex 5267 connector
	quality inspection and calibration process
	prior delivery
	temperature and humidity sensor extension
	(optional)
	external signal transmitter (optional)
	external controller module (optional)