



CO₂ SENSOR

CO₂

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CO₂ sensors, with patented auto-calibration for climate technology and building management are based on a 2-source, 2-beam process. This technology offers long-term stability ensured by the tested and trusted NDIR CO₂ measurement cell. The miniature design of CO₂ sensor is ideally suited for applications in the environmental fields indoors as well as outdoors.

Measuring principle	non-dispersive infrared technology (NDIR)
Measurement range	0...2000 / 5000 / 10000ppm
Accuracy at 25°C and 1013mbar	0...2000ppm: < ± (50ppm +2% from the measured value)
0...5000ppm:	< ± (50ppm +3% from the measured value)
0...10000ppm	< ± (100ppm +5% from the measured value)
Response time t90	< 195s
Temperature dependency	type 2ppm CO ₂ /°C (0...50°C)
Long-term stability	type 20ppm / a
Housing / Protection class	Plastic PC / Housing IP65 4.75 - 7.5V DC
Operating temperature and conditions	-40...60°C 0...100% rF (non-condensing) 85...110kPa
Storage temperature and condition	-40...75°C 0...100% rF (non-condensing) 70...110kPa
Dimensions	96 x Ø18.5mm