

ADS-CO2-24 | Carbon dioxide sensor 24V

The sensor is used to measure the amount of CO₂ in the room. It suits for air quality control systems, ventilation and heat recovery systems used in the restaurants, shops, offices, households, flats and so on.

- › works on the optical NDIR principle
- › adjustable sensitivity
- › 0 – 10V analog output + output relay
- › doesn't need maintenance during operation
- › long service life and stability



Part no: 90000166

Device is designed for detection, indication and control the CO₂ in the air level in the interiors. The measuring of CO₂ works on the principle of infrared radiation attenuation dependence on the CO₂ concentration in the air. Unlike the other similar sensors working on the electrochemical principle it has very good long term stability.

Parameter	Value	Unit
Power supply optional		
AC 50/60 Hz	24	VAC
DC	14 – 24	VDC
Input	2,5	VA
Switched voltage	max. 250	VAC
Switched current	max. 16	A
Switching hysteresis	1,5 (300)	V (ppm)
Voltage output	0 – 10	VDC
Current output 1	0 – 20	mA
Current output 2	4 – 20	mA
Measuring range	370 – 2000	ppm
Resolution	1	ppm
Accuracy	± 45ppm ± 5% of reading	
Working temperature	0 to +40	°C
Working humidity	5 to 95	%RH
Storage temperature	-20 to +60	°C
Expected lifetime	min. 10	years
Dimensions	125x83x37	mm
- Warm-up: stable after 1 minute since power on.		
- Calibration during operation is not necessary.		

Output voltage dependence graph:

