

ADS-CO2-230 | Carbon dioxide sensor 230V

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 + relay output
- › doesn't need maintenance during operation
- › long service life and stability

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	230	VAC
Input	2,5	VA
Switching voltage	max 250	VAC
Switching 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:

