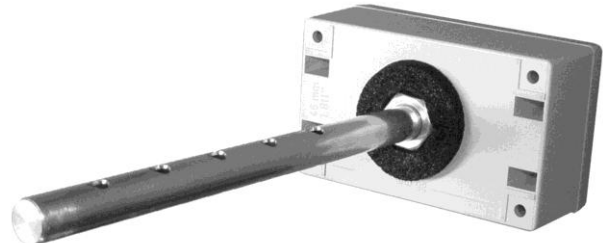


ADS-CO2-D | Duct mounted carbon dioxide sensor

The sensor is used to measure the amount of CO₂ in an air duct. It suits for air quality control systems, ventilation and heat recovery systems.

- > works on the optical NDIR principle
- > 0 – 10V analog output
- > easy air duct mounting
- > long service life and stability



It is equipped with voltage/current analog output. The output value is proportional to the concentration of CO₂. The measuring of CO₂ works on the principle of infrared radiation attenuation dependence on the CO₂ concentration in the air. Built-in electronics converts the infrared radiation attenuation changes in the measuring cell to the analog output. The sensor is capable to measure the CO₂ in the air concentration in the range of 370 up to 2000 ppm.

Parameter	Value	Unit
Power supply optional -	13 – 32	V DC
	13 – 24	V AC
Power consumption	50	mA
Voltage output	0 – 10	V DC
Current output 1	0 – 20	mA
Current output 2	4 – 20	mA
Measuring range	370 – 2000	ppm
Resolution	1	ppm
Accuracy	±30	ppm
Working temperature	0 to +40	°C
Working humidity	5 to 95%	RH
Storage temperature	-30 to +70	°C
Estimated service life	min. 10	years
Dimensions	215x100x60	mm
- Warm-up: stable after 1 minute from power on.		
- Calibration during operation is not necessary.		

Output voltage dependence graph

