

CO₂-transmitters

Carbon dioxide (CO₂) transmitter, wall-mounting



The new CO2RT series with the patented auto calibration process, sets new standards in CO₂ measuring for HVAC applications. In the same casing the CO2RT-series combines measuring of CO₂-level, temperature and optional relative humidity. There are different models, with or without display and relay.

- CO₂, temperature and humidity
- Easy mounting

Calibration interval is more than 5 years and no calibration is necessary at installation.

Technical data	
Supply voltage	24 V AC +/-15%, 50...60 Hz or 15...35 V DC, 3 VA
Working range CO ₂	0...2000 ppm
Working range Temperature	0...50°C
Working range Humidity	10...90% RH
Accuracy CO ₂	< ±(50 ppm +2% of working range)
Accuracy Temperature	±0,3°C
Accuracy Humidity	±3% (30...70% RA) ±5% (10...90% RH)
Relay contact data	Max 1 A at 50 V AC, Min 1 mA at 5 V DC
Mounting	Wall-mounting
Protection class	IP30

Outputs	
CO ₂	0...10 V DC referring to 0...2000 ppm
Temperature	0...10 V DC referring to 0...50°C, PT1000-sensor (class DIN B)
Humidity	0...10 V DC referring to 0...100% RH (working range 1...9 V)

Description	Type	Notes
CO ₂ -transmitter and temperature	CO2RT	
CO ₂ -transmitter and temperature, with display	CO2RT-D	
CO ₂ -transmitter, temperature and humidity	CO2HRT	
CO ₂ -transmitter, temperature and humidity, with display	CO2HRT-D	
CO ₂ -transmitter with relay	CO2RT-R	
CO ₂ -transmitter with relay and display	CO2RT-R-D	

Carbon dioxide (CO₂) transmitter, duct-mounting



Measures the concentration of carbon dioxide in ducts. The calibration interval is more than 5 years and no calibration is necessary at installation.

- Long-term stability
- High protection class

Technical data	
Supply voltage	24 V AC +/-20%, 50...60 Hz or 15...35 V DC, 3 VA
Working range	0...2000 ppm
Output	0...10 V DC
Accuracy	± (50 ppm +2% of measured value)
Relay contact data	Max 1 A at 50 V AC, Min 1 mA at 5 V DC
Mounting	Duct-mounting
Protection class	IP65

Description	Type	Notes
CO ₂ -transmitter, 0...2000 ppm	CO2DT	
CO ₂ -transmitter, 0...2000 ppm with relay	CO2DT-R	



NB: Also with working range 0...5000 ppm (on request only)