

CO₂ Transmitter GT10-CO2-1R



- Excellent long term stability
- Auto-calibration procedure
- Output signal freely scalable

Characteristics

The high-quality and precise CO₂ transmitter works according to the infrared principle (NDIR). An auto-calibration procedure compensates aging effects. This ensures the excellent long-term stability of this transmitter.

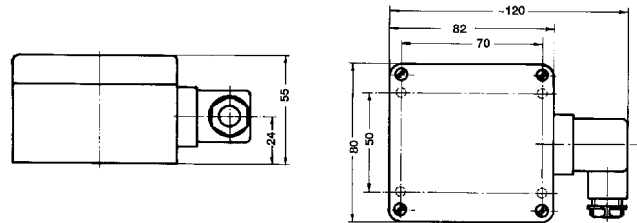
Due to the fact that CO₂ is an important indicator for air quality in rooms, it is very important for modern climate control to measure the CO₂ content.

Due to the freely adjustable output signal the transmitter can be used for nearly each existing controller input. Additionally, there is an on-site display which shows beside the current CO₂ concentration the minimum and maximum values as well as an optical alarm.

Technical data

Measuring range	
MB1	: 0..2000 ppm CO ₂
MB2	: 0..5000 ppm CO ₂
Measuring principle : infrared principle (NDIR)	
Accuracy	
MB1	: ±50 ppm ± 2 % of meas. value
MB2	: ±50 ppm ± 3 % of meas. value
Output signal (only O ₂) : 4..20 mA, 0..1 V, 0..10 V (3-wire)	
Working temperature : -10..+50°C	
Power supply : 12..30 V DC at 4..20 mA and 0..1 V 18..30 V DC at 0..10 V max. 600 mA	
Permissible burden : R _A < 200 Ω	
Permissible load : R _L > 3000 Ω	
Display : 10 mm high, 4-digit LCD-display	
Electric connection : elbow-type plug (EN 175301-803/A), max. wire cross section: 1.5 mm ² , wire diameter from 4.5..7.0 mm	
Housing : ABS	

Dimensions



Ordering code

GT10-CO2-1R - 1. - 2.

1. Measuring range	
MB1	MB1: 0..2000 ppm CO ₂
MB2	MB2: 0..5000 ppm CO ₂
2. Output signal	
A1	4..20 mA (3-wire)
V1	0..1 V (3-wire)
V2	0..10 V (3-wire)

Ordering example:
GT10-CO2-1R-MB1-A1