CO_2 Transmitter GT10-CO2-1R

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

Characteristics

The high-quality and precise CO_2 transmitter works according to the infrared principle (NDIR). An auto-calibration procedure compensates aging effects. This ensures the the excellent long-term stability of this transmitter.

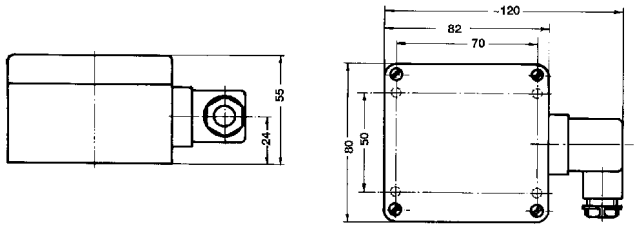
Due to the fact that CO_2 is an important indicator for air quality in rooms, it is very important for modern climate control to measures the CO_2 content.

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 CO_2 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 mm², 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