

EASYBUS - SENSOR MODULES FOR STANDARDIZED SIGNALS



EBN / K - ...

Art. no. 602839

EASYBus - sensor modules for standardized signals

EBN / W - ...

Art. no. 609775

EASYBus - sensor modules for standardized signals

General:

All standard signals (0 ... 2 V, 0 ... 10 V, 0 ... 20 mA, 4 ... 20 mA, others on request) can be acquired on the EASYBus with its current module. When using a according interface converter in the **EASYControl net** software different transmitters can be connected resp. watched.

Specifications:

Input signal:	0 ... 2 V, 0 ... 10 V, 0 ... 20 mA or 4 ... 20 mA (input is not isolated for EASYBus)
Measuring ranges:	-1999 ... 9999 digit, Measuring range and decimal point can be set via free available software.
Accuracy:	±0.5 % (at nominal temperature = 25 °C)
Working temperature:	-25 ... +60 °C
Storage temperature:	-30 ... +70 °C
Interface:	EASYBus-interface attached 2-pole cable, cable-length approx. 1 m.
Electric connection:	(for input signals)
EBN / K - ...:	for connection to standardized signal source via 0.5 m connection cable.
EBN / W - ...:	elbow-type plug according to EN 175301-803/A for plug-in into an existing transmitter connection.
Housing:	splash-proof IP65
Dimensions:	48.5 x 48.5 x 35.5 mm (L x W x H) with elbow-plug: 50.5 x 90 x 39.5 mm
Scope of supply:	Device, manual

EBN - 1 - 2 - 3

Greisinger	
1.	Version
	K Cable connection
	W Angle plug
	G EASYBUS connection, galvanically isolated, cable connection
2.	Input signal
	E1 0 ... 2 V
	E2 0 ... 10 V
	E3 0 ... 20 mA
	E4 4 ... 20 mA
3.	Options
	00 Without option
	VO Local display

EASYBUS-SENSOR MODUL FOR CARBON DIOXIDE (CO₂)



HIGHLIGHTS:

- excellent long-term stability
- auto-calibration procedure
- for surveillance of the recommended CO₂ concentration in ambient air

EBG-CO2-1R

Art. no. 604385

EASYBus-sensor modul for carbon dioxide (CO₂)

General:

Due to the fact, that CO₂ is an important indicator for the quality of air in rooms, it's super important to measure the CO₂ content. The recommended CO₂ limit value for ambient air is 1000 ppm. An exceeding of this limit causes tiredness and a loss of concentration. The high quality and precise CO₂-module works according to the infrared principle (NDIR). An auto-calibration procedure compensates aging effects and is responsible for an excellent long term stability of this CO₂-module. Additionally, there is a local display which shows beside the actual CO₂ concentration, the minimum and maximum values as well as an optical alarm.

Specifications:

Measuring ranges:	
Standard:	0 ... 2000 ppm CO ₂ (carbon dioxide)
Option 5000:	0 ... 5000 ppm CO ₂ (carbon dioxide)
Measuring principle:	infrared principle (NDIR)
Accuracy:	
Standard:	±50 ppm ±2 % of meas. value (at 20 °C, 1023 mbar)
Option 5000:	±50 ppm ±3 % of meas. value (at 20 °C, 1023 mbar)
Interface:	EASYBus-interface
Auxiliary energy:	12 ... 30 V DC, max. 600 mA
Display:	approx. 10 mm high, 4-digit LCD-display
Working condition:	-10 ... +50 °C, 5 ... 95 % RH, 850 ... 1100 hPa
Storage condition:	-25 ... +60 °C, 5 ... 95 % RH, 700 ... 1100 hPa
Electric connection:	elbow-type plug acc. to EN 175301-803/A (IP65), max. wire cross section: 1.5 mm ² , wire diameter from 4.5 ... 7 mm
Terminal assignment:	2 x EASYBus, no polarity 2 x auxiliary energy
Mounting:	with fixing holes for wall mounting
Mounting distance:	70 x 50 mm (B x H)
Fixing screws:	max. shaft-Ø 4 mm
Features:	min-/max-value memory, optical alarm, input of offset and scale for adjusting
Housing:	ABS
Dimensions:	82 x 80 x 55 mm (without elbow-type plug)
Weight:	approx. 225 g
Scope of supply:	Device, manual

Variant:

EBG-CO2-1R-5000:

Art. no. 605074

Measuring ranges: 0 ... 5000 ppm CO₂

Accessories and spare parts:

GSN 24-750

Art. no. 604387

Plug-in power supply (230 V AC => 24 V DC / 750 mA)