

# GAS CONCENTRATION IN AIR

## Carbon Dioxide Probe FYA 600 CO<sub>2</sub>



- ▶ Since the gas is supplied by means of free convection, this is especially suitable for climatology measurements.
- ▶ Various measuring ranges up to 25%.

 Operation with the device in SLEEP mode is not possible! When operating more than one CO<sub>2</sub> probe on a single ALMEMO® device, these CO<sub>2</sub> probes will need their own external power supply! On request we can offer a wide variety of power supply options to suit your particular measuring setup.

### Technical Data:

Gas:	CO <sub>2</sub>
Measuring principle:	IR optics
Measuring ranges:	nominal (% CO <sub>2</sub> ): 0 ... 0.5%, 0 ... 2.5%, 0 ... 10%, 0 ... 25%
Accuracy:	±2% of fin. val.
Reproducibility:	±1% of final value
Resolution:	(depending on measuring range) 50 ... 100ppm at 5000ppm <200ppm at 2.5%
Voltage output:	0 ... 2V for the selected measuring range
Current output:	referred to GND max. burden (load resist.): 400Ω
Power supply:	6.5 to 12VDC from the ALMEMO® device Operation with mains supply unit recommended!
Current consumpt.	eff. 50mA/ max. 70mA
Settling time t <sub>90</sub> :	< 60s
Temperature coefficient:	typical -0.4% signal/K
Temperature range:	5 to +40°C
Relative humidity:	0 to 95%
Dimensions:	W 96mm x H 36mm x D 64mm
Weight:	241g
Connecting cable:	1.5m long, ALMEMO® connector

### Type:

Carbon dioxide sensor  
including connecting cable 1.5m long for CO<sub>2</sub> measurements in air  
(Please specify measuring range !)

**Order no. FYA600CO<sub>2</sub>**