

## Carbon Dioxide Probe FYA600CO2



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

### Technical Data

Gas:	CO <sub>2</sub>	Power supply:	6.5 to 12VDC from the ALMEMO® device Operation with mains supply unit recommended !
Measuring principle:	IR optics	Current consumpt.	eff. 50mA/ max. 70mA
Measuring ranges:	nominal (% CO <sub>2</sub> ): 0 ... 2.5%, 0 ... 10%, 0 ... 25%	Settling time t90:	< 60s
Accuracy:	±2% of final value	Temperature coefficient:	typical -0.4% signal/K
Reproducibility:	±1% of final value	Temperature range:	5 to +40°C
Resolution:	(depending on measuring range) <200ppm at 2.5%	Relative humidity:	0 to 95%, noncondensing
Output:	0 ... 2V on ALMEMO® connector Linearization in ALMEMO® device	Dimensions:	W 96mm x H 36mm x D 64mm
Current output:	referred to GND	Weight:	241g
max. burden (load resist.):	400W	Connecting cable:	1.5m long, ALMEMO® connector

! 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.

### Type

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

Factory calibration KY96xx carbon dioxide concentration for measuring chain (sensor + device) (see chapter Calibration certificates)

**Order no.**  
**FYA600CO2**