


# 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%,<br>0 ... 2.5%, 0 ... 10%, 0 ... 25%                |
| Accuracy:                       | ±2% of fin. val.   |
| Reproducibility:                | ±1% of final value   |
| Resolution:                     | (depending on measuring range)<br>50 ... 100ppm at 5000ppm<br><200ppm at 2.5%                |
| Voltage output:                 | 0 ... 2V for the selected<br>measuring range   |
| Current output:                 | referred to GND<br>max. burden (load resist.): 400Ω  |
| Power supply:                   | 6.5 to 12VDC<br>from the ALMEMO® device<br>Operation with mains supply unit<br>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. FYA600CO2**