



## BZ 25

Many of us spend up to 90 % of our lives indoors. And because buildings have become better insulated, contaminants which used to somehow find a way of escaping to the outside now remain locked inside with detrimental effects on the quality of the air that we breathe.

Increased carbon dioxide concentrations – even when they are within the legal limits – can not only cause tiredness, lack of concentration or a drop in performance, they can also seriously affect the health of the room's occupants, especially if the occupants are weak or elderly or if they are small children.

The BZ25 can monitor the quality of room air efficiently and reliably, making it the ideal for use in the home, the office, in playrooms, in school classrooms, kindergartens, offices and production facilities.

### BENEFITS IN PRACTICE:

- Accurate and long-term stable NDIR measuring of carbon dioxide concentrations in the room air
- Simultaneous display of CO<sub>2</sub> values, room temperature, relative humidity, time and date
- Minimum and maximum value function for CO<sub>2</sub>, air temperature and relative humidity
- Carbon dioxide-alarm function with warning tone and selectable threshold values
- Additional CO<sub>2</sub> indicator symbol
- Large, crystal clear display with easy-to-read measuring values
- Excellent value for money

Thanks to the more accurate and long-term stable NDIR measuring method, the BZ25 can not only measure the air temperature and the relative humidity, but also the carbon dioxide concentration of the room in ppm before presenting it on the large, easy-to-read display.

You can also select your own individual CO<sub>2</sub> alarm threshold, which when exceeded will trigger an acoustic warning tone.

The CO<sub>2</sub> indicator on the BZ25's display is a much-welcomed added benefit: the straightforward symbol shows you, along with the time and date, whether the carbon dioxide concentration in the air of the room you are in is good,



### Technical Data

### BZ25 CO<sub>2</sub> Air Quality Meter

Article No.		3.510.205.014
	Sensor	NDIR sensor (non-dispersive infrared)
Carbon dioxide	Measuring range	0 to 9,999 ppm CO <sub>2</sub>
	Resolution (accuracy)	1 ppm ( $\pm 75$ ppm or $\pm 5$ % of the measuring value)
Temperature	Measuring range	-5 °C to +50 °C (32 °F to 120 °F)
	Resolution (accuracy)	0.1 °C ( $\pm 0,5$ °C)
Relative humidity	Measuring range	0.1 % RH to 99.9 % RH
	Resolution (accuracy)	0.1 % RH (max. $\pm 3$ % RH)
Measuring interval		2 seconds
Functions		Real-time display, minimum and maximum value for CO <sub>2</sub> , temperature and relative humidity; time and date, CO <sub>2</sub> indicator; CO <sub>2</sub> alarm function; temperature display in °C and °F; backlit display
Power supply		230 V mains adapter
Dimensions / Weight		110 x 105 x 61 mm / 74 g
Scope of delivery		Measuring device, mains adapter, operating instructions



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