



testo 535

# Indoor Air Quality: convenient, reliable CO<sub>2</sub> measurement and easy documentation

The ideal instrument for all building engineers



**The CO<sub>2</sub> measuring instrument for which an adjustment set is not required.**

2 channel infrared sensor:

- Long-term stability
- Highly accurate
- Totally reliable

ppm  
CO<sub>2</sub>



Ideal: probe on site, reading at a glance!



Long-term monitoring via maximum/mean calculation



Measuring the CO<sub>2</sub> conc. in ingoing and outgoing air ducts

## Indoor Air Quality: convenient, reliable CO<sub>2</sub> measurement and easy documentation



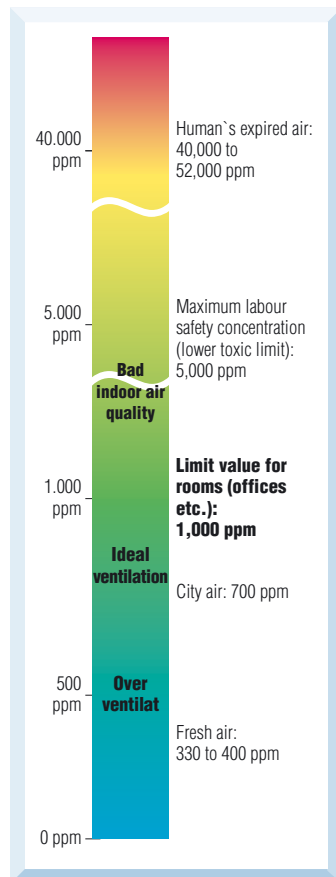
### How to avoid lack of concentration and tiredness caused by bad air

CO<sub>2</sub> is used as an indicator when assessing indoor air quality. If the CO<sub>2</sub> in indoor air is too high (limit value: 1000 ppm) the air feels "stuffy and stale".

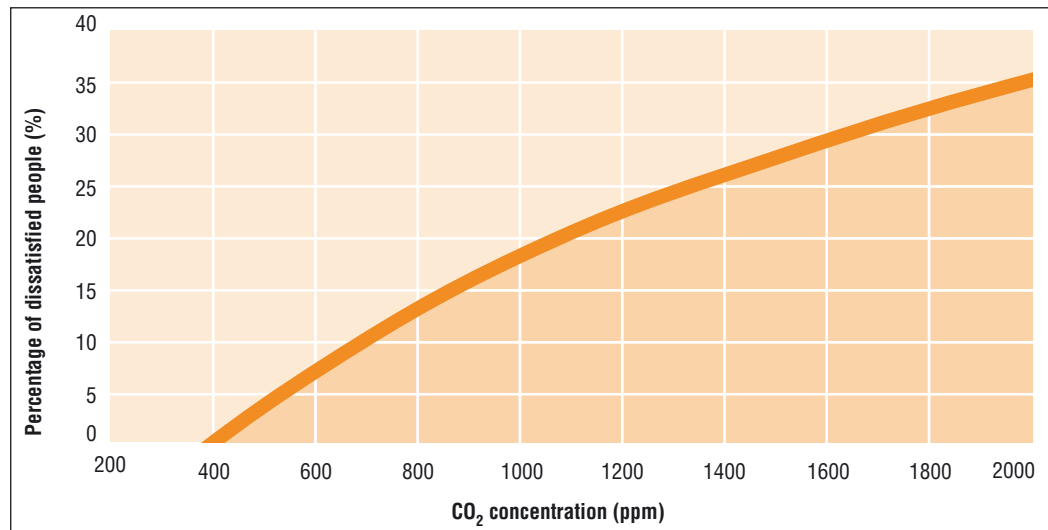
Bad air quality in rooms (e.g. offices) can lead to tiredness, lack of concentration and illness (Sick Building Syndrome SBS) and is caused, in many cases, by insufficient ventilation.

The CO<sub>2</sub> concentration in demand controlled ventilating (DCV) systems is used to regulate the supply of fresh air. Regular checks on these systems using the **testo 535** CO<sub>2</sub> measuring instrument make sense and are to be recommended.

### CO<sub>2</sub> concentrations



### Indoor Air Quality



Percentage of people who are unhappy with indoor air quality at a specific CO<sub>2</sub> concentration.

### You can order by fax, post or by telephone

Simply copy this page, enter the quantities required and return to us by fax or post. Don't forget to include name and address.

Qty.	testo 535 measuring instrument and accessories	Part no.
	<b>testo 535</b> , CO <sub>2</sub> measuring instrument for measuring indoor air quality, with permanently attached probe, instruction manual, batteries and <b>calibration protocol</b>	0560.5350
	<b>TopSafe</b> (indestructible protective case) with bench stand and belt clip, protects measuring instrument from impact, dirt...	0516.0183
	<b>9 V rechargeable battery</b> , instead of battery	0515.0025
	<b>Recharger</b> for 9 V rechargeable battery, for external recharging of 0515.0025 battery	0554.0025
	<b>Plug-in mains unit</b> for mains operation (recommended for long-term measurements)	0554.0088
	<b>Accessory set</b> (for measuring instrument without TopSafe): belt clip, wall holder and carrying loop	0554.0550
	<b>Plastic case</b> for safe storage of measuring instrument, probes, Testo log printer and accessories	0516.0184
	<b>Case for secure</b> storage of measuring instruments	0516.0191
	<b>ISO calibration certificate</b> (2 calibration points)	0520.0033

Qty.	Printer and accessories	Part no.
	<b>Testo log printer</b> , prints data with date and time	0554.0545
	<b>Battery recharger</b> with 4 NC rechargeable batteries for the Testo log printer, batteries are recharged externally	0554.0110
	<b>Printer paper</b> for Testo log printer (6 rolls)	0554.0569
	<b>Enhanced thermal paper</b> for printer (6 rolls). Measurement data documentation legible for up to 10 years	0554.0568

Subject to change without notice.

### Technical data

<b>Sensor:</b>	2 channel infrared absorption principle
<b>Measuring range:</b>	0 to 9,999 ppm CO <sub>2</sub> (0 to 1 vol. % CO <sub>2</sub> )
<b>Accuracy:</b>	0 to 5,000 ppm CO <sub>2</sub> ± (50 ppm CO <sub>2</sub> +2 % of m.v.) 5,000 to 9,999 ppm CO <sub>2</sub> ± (100 ppm +3 % of m.v.)
<b>Resolution:</b>	1 ppm CO <sub>2</sub> or 0.001 vol. %
<b>Ambient temperature:</b>	0 to +50 °C
<b>Storage temperature:</b>	-20 to +70 °C
<b>Battery lifetime:</b>	>8 h (9 V block, Al-Mn)
<b>Switchover:</b>	ppm / vol. %
<b>Display:</b>	LCD 11 mm digit height
<b>Housing:</b>	ABS
<b>Dimensions/Instrument:</b>	190 x 57 x 42 mm
<b>Weight:</b>	300 g
<b>Warranty:</b>	Meas. instr.: 2 years
<b>Other:</b>	- Mains connection - Low Battery display - Auto Off - Hold/Max/Min - Mean calculation

Name \_\_\_\_\_ Address \_\_\_\_\_  
 \_\_\_\_\_  
 Company \_\_\_\_\_  
 \_\_\_\_\_  
 Department \_\_\_\_\_ Date, Signature \_\_\_\_\_