

# Carbon Dioxide 0.5%/a

Order No. CH 31 401

C

## Application Range

Standard Measuring Range:	0.5 to 10 vol. %
Number of Strokes n:	1
Time for Measurement:	approx. 30 s
Standard Deviation:	± 5 to 10 %
Color Change:	white → violet

## Ambient Operating Conditions

Temperature:	0 to 40 °C
Absolute Humidity:	max. 50 mg H <sub>2</sub> O / L

## Reaction Principle

CO<sub>2</sub> + amine → violet reaction product

## Cross Sensitivity

Hydrogen sulfide in the TLV range does not interfere. In a range comparable to the calibrated range for carbon dioxide, sulfur dioxide is indicated. The sulfur dioxide sensitivity is approximately 1/3 (e.g. 3 vol. % sulfur dioxide gives an indication of 1 vol. %).

