

Measuring Range : 1 to 20 vol.% (20 °C, 50 % r.h.)

Measuring Time : approx. 12 s at 20 vol.%
approx. 20 s at 10 vol.%
approx. 120 s at 1 vol.%
approx. 110 s at 0 vol.%

Ambient Operating Conditions

Temperature : 0 ... 40 °C

Correction of Temperature

: 0 to 19°C → + 0.8 %/ °C
21 to 40°C → - 0.8 %/ °C
% of measured value over the measurement range.

Humidity : 1 to 30 mg/L (corresp. 2 to 60 % r.h. at 40°C)

Correction of Humidity : not necessary

Air Pressure : 700 to 1100 hPa

Correction of Air Pressure

: not necessary

Accuracy : ± 7 % of the measured value over the measurement range,
e.g.
± 0.07 % at 1 vol.%
± 0.7 % at 10 vol.%

Reproducibility : ± 10% (Standard Deviation)

Cross Sensitivity

No influence at 1 vol.% CO₂ by
≤ 100 ppm hydrogen sulfide
≤ 100 ppm sulfur dioxide

Measurement with Remote System

Please observe the Instructions for Use of the Remote System.

Flushing Time

For a measurement of 1 vol.-% carbon dioxide in laboratory conditions, a flushing time of 1 minute was determined.