

Carbon Dioxide 1000 - 25000 ppm

Order Code
64 06 070

Measuring Range : 1000 to 25000 ppm
(20 °C, 50 % r.h.)

Measuring Time : approx. 25 s at 25000 ppm
approx. 45 s at 5000 ppm
approx. 100 s at 1000 ppm
approx. 70 s at 0 ppm

Ambient Operating Conditions

Temperature : 0 ... 30 °C

Correction of Temperature

: 0 to 4°C → + 1.7 %/°C
5 to 19°C → + 1.3 %/°C
21 to 30°C → - 1.3 %/°C
% of measured value over the measurement range.

Humidity : 1 to 30 mg/L (corresp. 3 to 98 % r.h. at 30°C)

Correction of Humidity : not necessary

Air Pressure : 700 to 1100 hPa

Correction of Air Pressure

Accuracy : not necessary
: ± 5 % of the measured value over the measurement range,
e.g.
± 50 ppm at 1000 ppm
± 250 ppm at 5000 ppm

Reproducibility : ± 7 % (Standard Deviation)

Cross Sensitivity

No influence at 5000 ppm CO₂ by
≤ 10 ppm hydrogen sulfide
≤ 2 ppm sulfur dioxide

Measurement with Remote System

Please observe the Instructions for Use of the Remote System.

Flushing Time

For a measurement of 1400 ppm carbon dioxide in laboratory conditions, a flushing time of 1 minute was determined.