

Phosgene 0.05 - 2 ppm

Order Code
64 06 340

Measuring Range : 0.05 to 2 ppm (20 °C, 50 % r.h.)

Measuring Time : approx. 90 s at 2 ppm
approx. 170 s at 0.5 ppm
approx. 420 s at 0.05 ppm
approx. 225 s at 0 ppm

Ambient Operating Conditions

Temperature : 0 ... 40 °C

Correction of Temperature : 0 to 10 °C: measured value \leq 0.5 ppm: - 2 % / °C
measured value < 0.5 ppm: 2 % / °C
11 to 19 °C: \rightarrow not necessary
21 to 40 °C: \rightarrow - 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 : \pm 8 % of the measured value over the measurement range,
e.g.
 \pm 0.004 ppm at 0.05 ppm
 \pm 0.16 ppm at 2 ppm

Reproducibility : \pm 12 % (Standard Deviation)

Cross Sensitivity

No influence at 0.05 ppm COCl_2 by
 \leq 100 ppm methyl chloride
 \leq 10 ppm hydrochloric acid
 \leq 100 ppm carbon monoxide

Measurement with Remote System

Please observe the Instructions for Use of the Remote System.

Flushing Time

For a measurement of 0.05 ppm phosgene in laboratory conditions, a flushing time of 1 minute was determined.