Ammonia 100 - 2000 ppm

Order Code
64 06 570

Measuring Range : 100 to 2000 ppm (20 °C, 50 % r.h.)
Caution:
Ammonia concentrations above the measuring range will result in extremely low readings on the Analyzer. Therefore, use another means of detection to measure concentrations in excess of the measurement range of the chip.

Measuring Time : approx. 15 seconds at 2000 ppm
approx. 35 seconds at 500 ppm
approx. 120 seconds at 100 ppm
approx. 100 seconds at 0 ppm

Temperature : 0 °C to 40 °C
Correction of Temperature : 0 °C to 19 °C: + 0,5 % / °C
21 °C to 40 °C: - 0.3 % / °C
% of measured value over the measurement range.

Humidity : 1 to 30 mg/L (corresp. 2 to 60% r.h. at 40 °C)
Correcitin of Humidity : 1 to 9 mg/L: not necessary
11 to 30 mg/L: 1% / mg/L)
% of measured value over the measurement range.

Air Pressure : 700 to 1100 hPa
Correction of Air Pressure : not necessary

Cross Sensitivity:
Acid gases can cause minus errors, basic substances such as organic amines are indicated with differing sensitivity. There is no indication due to 200 ppm SO_2 or 200 ppm H_2S, cause however in presence of NH_3 substantial minus errors.

Accuracy : ± 10% of the measured value over the measurement range, e.g.
± 10 ppm at 100 ppm
± 200 ppm at 2000 ppm

Reproducibility : ± 10% (Standard Deviation)

Measurement with Remote System
Please observe the Instructions of Use of the Remote System.

Flushing Time
For a measurement of 500 ppm NH_3 in laboratory conditions, a flushing time of 1 minute was determined.