Order Code
64 06 020

Ammonia 10 - 150 ppm

Measuring Range : 10 to 150 ppm (20 °C, 50 % r.h.)

Measuring Time : approx. 15 s at 150 ppm
approx. 30 s at 25 ppm
approx. 50 s at 10 ppm
approx. 40 s at 0 ppm

Ambient Operating Conditions
Temperature : 0 … 40 °C
Correction of Temperature : 0 to 19 °C –> + 1.1 %/ °C
21 to 40 °C –> – 0.5 %/ °C
% of measured value over the measurement range.

Humidity : 1 to 40 mg/L
(corresp. 2 to 80 % r.h. at 40 °C)
Correction of Humidity : not necessary

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

Accuracy : ± 8 % of the measured value over the measurement range, e.g.
± 0.8 ppm at 10 ppm
± 12 ppm at 150 ppm

Reproducibility : ± 10 % (Standard Deviation)
Cross Sensitivity
No influence at 25 ppm NH_3 by
≤ 2000 ppm hydrogen sulfide
≤ 2000 ppm sulfur dioxide
Other basic substances such as organic amines are indicated with differing sensitivity.

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

Flushing Time
For a measurement of 15 ppm ammonia in laboratory conditions, a flushing time of 3 minutes was determined.