

# Ammonia 2 - 50 ppm

Order Code

64 06 130

**Measuring Range** : 2 to 50 ppm (20 °C, 50 % r.h.)  
**Measuring Time** : approx. 15 s at 50 ppm  
approx. 40 s at 10 ppm  
approx. 140 s at 2 ppm  
approx. 70 s at 0 ppm

## Ambient Operating Conditions

**Temperature** : 0 ... 40 °C

### Correction of Temperature

: 0 to 19 °C → + 1.2 %/ °C  
21 to 40 °C → - 1.8 %/ °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.  
± 0.16 ppm at 2 ppm  
± 4 ppm at 50 ppm

**Reproducibility** : ± 12 % (Standard Deviation)

## Cross Sensitivity

No influence at 10 ppm NH<sub>3</sub> by  
≤ 200 ppm hydrogen sulfide  
≤ 200 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.