

Ammonia 5/b

Order No. 81 01 941

A

Application Range

Standard Measuring Range:	5 to 100 ppm
Number of Strokes n:	1
Time for Measurement:	approx. 10 s
Standard Deviation:	± 10 to 15 %
Color Change:	yellow → blue

Ambient Operating Conditions

Temperature:	10 to 50 °C
Absolute Humidity:	< 20 mg H ₂ O / L

Reaction Principle

$\text{NH}_3 + \text{pH-indicator} \rightarrow \text{blue reaction product}$

Cross Sensitivity

Other basic substances such as e.g. organic amines are indicated as well.

The indication is not affected by:

- 300 ppm nitrous fumes
- 2,000 ppm sulfur dioxide
- 2,000 ppm hydrogen sulfide

Extension of the Measuring Range

Using $n = 2$ strokes, divide the reading by 2; the measuring range will be 2.5 to 50 ppm.



SI-372-2008