



ST-11-2001

Standard Measuring Range : 5 to 70 ppm
Number of Strokes (n) : 10
Time for Measurement : app. 1 min
Standard Deviation : ± 10 to 15 %
Colour Change : yellow orange \rightarrow blue

Ambient Operating Conditions

Temperature : 10 to 50 °C
Absolute Humidity : $< 20 \text{ mg H}_2\text{O} / \text{L}$

Reaction Principle

NH_3 + pH Indicator \rightarrow blue reaction product

Cross Sensitivity

This tube indicates other basic gases, (e.g. organic amines).

No interference by 300 ppm nitrous fumes, 2,000 ppm sulphur dioxide or 2,000 ppm hydrogen sulphide.

Extension of the Measuring Range

Using $n=1$, multiply the reading by 10; the range of measurement is 50 to 700 ppm.