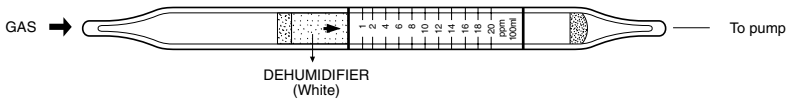
Tube No.
105SD

AMMONIA



1. PERFORMANCE

1) Measuring range	: 1-20 ppm	0.2-1 ppm
Number of pump strokes	1(100mℓ)	5(500mℓ)
2) Sampling time	: 1 minute/1 pump stroke	
3) Detectable limit	: 0.1 ppm(100mℓ)	
4) Shelf life	: 3 years	
5) Operating temperature	: 0～40℃	
6) Reading	: Direct reading from the scale calibrated by 1 pump stroke	
7) Colour change	: Pale purple→Pale Yellow	

2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 5% RSD-high : 5%

3. CHEMICAL REACTION

By reacting with Phosphoric acid, PH indicator is discoloured.

$2NH_3 + H_3PO_4 \rightarrow (NH_4)_2PO_4$

4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Amines	Similar stain is produced.	Higher readings are given.

(NOTE)

When the concentration is below 1 ppm, 2 to 5 pump strokes can be used to detemine the lower concentration. Following formula is available for actual concentration.

$$\text{Actual concentration} = \text{Reading value} \times \frac{1}{\text{Number of strokes}}$$