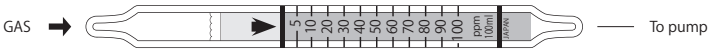
Tube No.
105SE

TRIMETHYL AMINE



1. PERFORMANCE

1) Measuring range	: 5-100 ppm	2.5-50 ppm	0.5-10 ppm
Number of pump strokes	1/2(50mL)	1(100mL)	5(500mL)
2) Sampling time	: 1 minute/1 pump stroke		
3) Detectable limit	: -		
4) Shelf life	: 3 years		
5) Operating temperature	: 15～25℃		
6) Reading	: The tube is calibrated based on Ammonia. Trimethyl amine concentration is determined by 1/2 times of the readting value.		
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.

$3NH_3 + H_3PO_4 \rightarrow (NH_4)_3PO_4$

4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Amines	Similar stain is produced.	Higher readings are given.
Chlorine	The accuracy of readings is not affected.	Lower readings are given.
Sulphur dioxide	〃	〃

（NOTE）

When the concentration is below 2.5 ppm, 5 pump strokes can be used to determine the lower concentration and following formula is available to obtain the actual concentration.

Actual conccentration = Reading Value × 1/5 × 1/2

When the concentration is over 50 ppm, 1/2 pump strokes can be used to determine the higher concentration and following formula is available to obtain the actual concentration.

Actual conccentration = Reading Value × 2 × 1/2