

1. PERFORMANCE

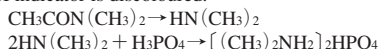
- 1) Measuring range : 5-70 ppm
- Number of pump strokes : 2 (200mℓ)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 1 year
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary under 20 °C (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : Pale purple → Pale yellow

2. RELATIVE STANDARD DEVIATION

RSD-low : 15 % RSD-mid. : 15 % RSD-high : 15 %

3. CHEMICAL REACTION

By reacting with Alkali, Dimethyl amine is produced. Dimethyl amine reacts on Phosphoric acid and PH indicator is discoloured.



4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence	
Carbon dioxide	The accuracy of readings is not affected.	0.17 %	Lower readings are given.
Sulphur dioxide	∕		
Ammonia	Similar stain is produced.		Higher readings are given.
Amines	∕		∕
Hydrazine	∕		∕

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)		
	10 °C (50 °F)	15 °C (59 °F)	20-40 °C (68-104 °F)
70	120	84	70
60	102	70	60
50	85	60	50
40	67	47	40
30	50	36	30
20	35	23	20
10	17	12	10
5	10	6	5