

## 1. PERFORMANCE

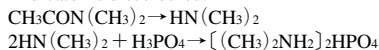
- 1) Measuring range : 5-70 ppm  
Number of pump strokes : 2 (200mℓ)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 1 year
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary under 20 °C (See "TEMPERATURE CORRECTION TABLE")
- 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	Not affected.	0.17 %   Lower readings are given.
Ammonia	Similar stain is produced.	Higher readings are given.
Amines	∕	∕
Hydrazine	∕	∕

### TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True 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