

## 1. PERFORMANCE

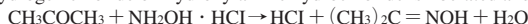
- 1) Measuring range : 0.01-4.0 %  
Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 0.001 % (10 ppm)
- 4) Shelf life : 1 year (Necessary to store in refrigerated conditions ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Yellow → Pink

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

Hydrogen chloride of Hydroxylamine hydrochloride is liberated and acidified, and PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Acrolein	Similar stain is produced.	20	Higher readings are given.
Acetaldehyde	∕	30	∕
Methyl ethyl ketone	∕	150	∕
Methyl isobutyl ketone	∕	400	∕

## TEMPERATURE CORRECTION TABLE

Tube Readings (%)	Corrected Concentration (%)			
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)
4.0	—	—	4.0	3.2
3.5	—	—	3.5	2.8
3.0	—	4.1	3.0	2.4
2.5	4.8	3.7	2.5	2.0
2.0	3.9	2.8	2.0	1.6
1.5	2.9	2.0	1.5	1.2
1.0	1.8	1.3	1.0	0.8
0.7	1.1	0.9	0.7	0.6
0.5	0.8	0.7	0.5	0.4
0.3	0.5	0.4	0.3	0.2
0.1	0.16	0.12	0.1	0.08