



## 1. PERFORMANCE

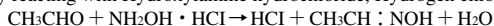
- 1) Measuring range : 0.004-1.0 %  
Number of pump stroke : 1 (100mℓ)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 5 ppm
- 4) Shelf life : 1 year (Necessary to store in a refrigerated place ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Concentration chart method
- 8) Colour change : Yellow → Pink

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Hydroxylamine hydrochloride, Hydrogen chloride is liberated and PH indicator discoloured.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Acetone FIG.1	Similar stain is produced	1400	Higher readings are given.
Acrolein FIG.2	∕	35	∕
Methyl ethyl ketone	∕	900	∕
Methyl isobutyl ketone	∕	2900	∕
Sulphur dioxide	∕	10	∕

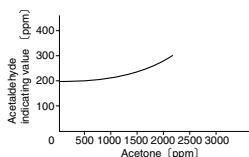


FIG.1 Influence of Acetone

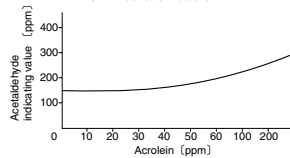
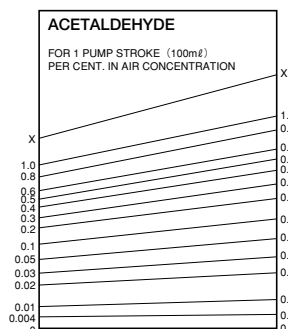


FIG.2 Influence of Acrolein



TEMPERATURE CORRECTION TABLE

Chart Readings (%)	True Concentration (%)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
1.0		1.6	1.0	0.50	0.30
0.8	1.9	1.3	0.8	0.40	0.20
0.6	1.6	1.05	0.6	0.30	0.16
0.5	1.45	0.9	0.5	0.25	0.14
0.4	1.3	0.8	0.4	0.20	0.13
0.3	1.2	0.65	0.3	0.15	0.11
0.2	0.95	0.45	0.2	0.10	0.08
0.1	0.6	0.2	0.1	0.07	0.05
0.05	0.25	0.09	0.05	0.04	0.03
0.03	0.08	0.05	0.03	0.025	0.01
0.02	0.03	0.025	0.02	0.015	0.007
0.01	0.02	0.015	0.01	0.007	0.004