

Tube No. **NX101CM**



1. PERFORMANCE

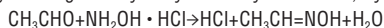
- 1) Measuring range : 0.004-1.0%
- Number of pump stroke : 1 (100mL)
- 2) Sampling time : 1 minute / 1 pump stroke
- 3) Detectable limit : 0.0005% (5 ppm)
- 4) Shelf life : 1 year (Necessary to store in refrigerated conditions ; 0~10°C)
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Concentration chart method
- 8) Color change : Yellow→Pink

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with Hydroxylamine Hydrochloride, Hydrochloric Acid is liberated and pH indicator discolored.



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	"

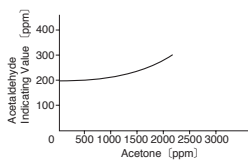


FIG.1 Influence of Acetone

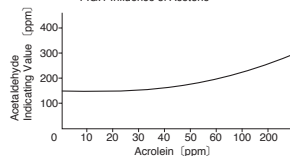
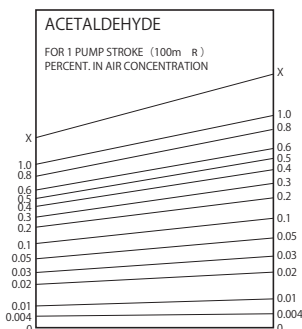


FIG.2 Influence of Acrolein



TEMPERATURE CORRECTION TABLE

Chart Readings (%)	Corrected 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