

1. PERFORMANCE

- 1) Measuring range : 10-160 ppm
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 3 ppm
- 4) Shelf life : 1 year (Necessary to store in a refrigerated place ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Operating Humidity : 20-90 R.H. %
- 7) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 8) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 9) Colour change : White → Purple

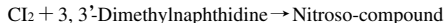
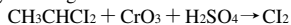
2. RELATIVE STANDARD DEVIATION

RSD-low : 15 % RSD-mid. : 15 % RSD-high : 10 %

3. CHEMICAL REACTION

Chlorine is produced by decomposing with an Oxidizer.

By reacting between this Chlorine and 3, 3'-Dimethylnaphthidine, Nitroso-compound is produced.

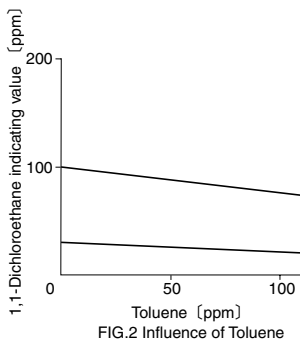
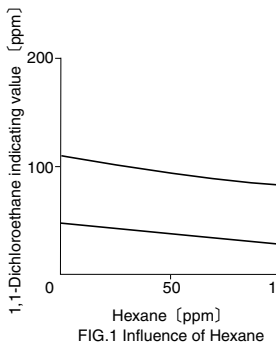


4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Nitrogen oxides	Similar stain is produced.		Higher readings are given.
Halogens	∕		∕
Halogenated hydrocarbons	∕		∕
Alcohols	The accuracy of readings is not affected.	400	Lower readings are given.
Hexane FIG.1	∕	20	∕
Toluene FIG.2	∕	20	∕



TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
160	205	180	160	130	105
140	180	160	140	115	90
120	150	135	120	100	80
100	125	115	100	85	65
80	100	90	80	65	55
60	75	70	60	50	40
40	50	45	40	35	30
20	25	23	20	17	15
10	10	10	10	10	10