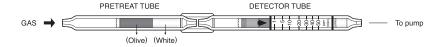
ETHYLENE DIBROMIDE



1. PERFORMANCE

1) Measuring range 1-50 ppmNumber of pump strokes $1(100 \text{m} \ell)$

2) Sampling time : 1.5 minutes/1 pump stroke

3) Detectable limit : 0.2 ppm

4) Shelf life : 1 year (Necessary to store in refrigerated conditions; $0 \sim 10^{\circ}$ C)

5) Operating temperature : $0 \sim 40 \,^{\circ}\text{C}$

6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE") 7) Reading : Direct reading from the scale calibrated by 1 pump stroke

8) Colour change : White→Yellow

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Bromine is produced by an Oxidizer. By reacting between this Bromine and o-Toluidine, Orthoquinone is produced BrCH2CH2Br + I2O5 + CrO3 + H2SO4→Br2

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence		
Halogens	Similar stain is produced.		Higher readings are given.		
Halogenated hydrocarbons	,,		"		
Hexane FIG.1	The accuracy of readings is not affected.	200	Lower readings are given.		

TEMPERATURE CORRECTION TABLE

Tube	Corrected Concentration (ppm)							
adings opm)	10 °C (50 °F)	15 ℃ (59 °F)	20 ℃ (68 °F)	25℃ (77°F)	30 °C (80 °F)	35 °C (95 °F)		
50	-	_	82	50	42	39		
40	-	80	58	40	35	33		
30	98	56	40	30	27	26		
20	50	40	30	20	18	18		
10	16	14	12	10	10	10		
5	7	7	6	5	5	5		
1	1	1	1	1	1	1		

