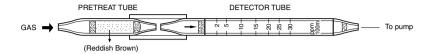
2,2-DICHLOROETHYL ETHER



1. PERFORMANCE

1) Measuring range 2-30 ppmNumber of pump strokes $1(100 \text{m} \ell)$

2) Sampling time : 40 seconds/1 pump stroke

3) Detectable limit 0.5 ppm4) Shelf life 1 year5) Operating temperature $0 \sim 40 \text{ }^{\circ}\text{C}$

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

8) Colour change : Yellowish green→Pink

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By decomposing with an Oxidizer, Hydrogen chloride is produced and PH indicator is discoloured. (CICH₂CH₂)₂O + CrO₃ + H₂SO₄→ 2HCI

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

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Substance	Interference	Coexistence								
Halogenated hydrocarbons	Similar stain is produced.	Higher readings are given.								
Aliphatic hydrocarbons (more than C ₃)	The accuracy of readings is not affected.									
Aromatic hydrocarbons	"									
Alcohols	"									
Esters		Higher readings are given.								

TEMPERATURE CORRECTION TABLE

Scale	True Concentration (ppm)										
Readings (ppm)	0°C (32°F)	5 °C (41 °F)	10 ℃ (50 °F)	15 °C (59 °F)	20°C (68°F)	25℃ (77°F)	30°C (86°F)	35℃ (95°F)	40°C (104°F)		
30	65	53	49	37	30	24	19	14	9		
25	45	40	35	30	25	20	16	12	8		
20	32	30	27	23	20	17	13	10	6		
15	21	20	19	17	15	13	10	7	5		
10	14	14	13	12	10	9	7	5	4		
5	7	7	6	6	5	4	3	2	- 1		
2	3	3	3	2	2	2	1	1	1		