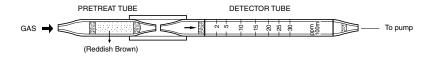
# 2,2-DICHLOROETHYL ETHER



# 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  $0 \sim 40 \text{ C}$ 

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. (CICH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>O + CrO<sub>3</sub> + H<sub>2</sub>SO<sub>4</sub>→ 2HCI

### 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

# 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence		
Halogenated hydrocarbons	Similar stain is produced.	Higher readings are given.		
Aliphatic hydrocarbons (more than C <sub>3</sub> )	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℃ (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