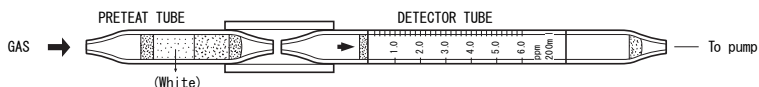


Tube No.  
132SC

# VINYL CHLORIDE



## 1. PERFORMANCE

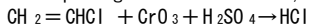
- |                             |  |             |             |
|-----------------------------|--|-------------|-------------|
| 1) Measuring range          | : 0.4-12.0 ppm   | 0.2-6.0 ppm | 0.1-3.0 ppm |
| Number of pump strokes      | 1 (100mL)  | 2 (200mL)   | 4 (400mL)   |
| 2) Sampling time            | : 3 minutes/2 pump strokes                                   |             |             |
| 3) Detectable limit         | : 0.05 ppm (400mL)   |             |             |
| 4) Shelf life               | : 3 years  |             |             |
| 5) Operating temperature    | : 0~40°C   |             |             |
| 6) Temperature compensation | : Necessary (0~20°C) (See "TEMPERATURE CORRECTION TABLE")    |             |             |
| 7) Reading                  | : Direct reading from the scale calibrated by 2 pump strokes |             |             |
| 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 chlorine is produced and PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Acetylene		4%	Lower readings are given.
Ethylene		400	"
Hydrogen chloride		Less than 500	The accuracy of reading is not affected.
Chlorine		50	"

(NOTE)

In case of 1 or 4 pump strokes, following formula is available for the actual concentration.

Actual concentration = Temperature corrected value × 2/Number of strokes

TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)				
	0°C (32°F)	5°C (41°F)	10°C (50°F)	15°C (59°F)	20-40°C (68-104°F)
6.0	9.4	8.3	7.4	6.8	6.0
5.0	7.6	6.8	6.1	5.6	5.0
4.0	6.1	5.5	5.0	4.5	4.0
3.0	4.6	4.0	3.6	3.3	3.0
2.0	3.0	2.7	2.4	2.2	2.0
1.0	1.5	1.4	1.3	1.2	1.0