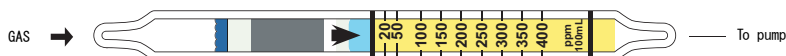


Tube No.  
145SA

# 1, 2-DICHLOROETHYLENE



## 1. PERFORMANCE

- |                             |  |            |            |            |
|-----------------------------|--|------------|------------|------------|
| 1) Measuring range          | : 4.2-84 ppm   | 9.2-184ppm | 20-400 ppm | 42-840 ppm |
| Number of pump strokes      | 4 (400mL)  | 2 (200mL)  | 1 (100mL)  | 1/2 (50mL) |
| 2) Sampling time            | : 1.5 minutes/1 pump stroke                                    |            |            |            |
| 3) Detectable limit         | : 0.5 ppm (4 pump strokes)                                     |            |            |            |
| 4) Shelf life               | : 1 year (Necessary to store in a refrigerated place ; 0~10°C) |            |            |            |
| 5) Operating temperature    | : 0~40°C   |            |            |            |
| 6) Temperature compensation | : Necessary (See "TEMPERATURE CORRECTION TABLE")               |            |            |            |
| 7) Reading                  | : Direct reading from the scale calibrated by 1 pump stroke    |            |            |            |
| 8) Colour change            | : Yellow → Red   |            |            |            |

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 5% RSD-high : 5%

## 3. CHEMICAL REACTION

Hydrogen chloride is produced by an Oxidizer and PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Trichloroethylene	Similar stain is produced.	3	Higher readings are given.
Vinyl chloride	"	300	"
Hydrogen chloride	"	10	"
Chlorine	Pale red stain is produced.	15	"

## TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)	
	5 °C (41 °F)	10~40 °C (50°F~104 °F)
400	475	400
350	415	350
300	355	300
250	295	250
200	235	200
150	175	150
100	115	100
50	55	50
20	20	20