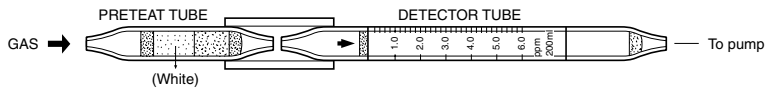


# BENZYL CHLORIDE



## 1. PERFORMANCE

- 1) Measuring range : 0 - 16 ppm
- Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1.5 minutes/1 pump strokes
- 3) Detectable limit : 0.2 ppm (100ml)
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (0 ~ 15 °C) (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : By Conversion (see below)
- 8) Colour change : Greenish yellow → 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.

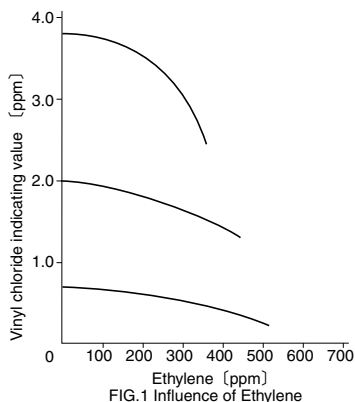


## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

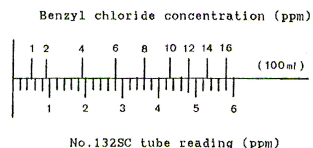
Substance	Interference	ppm	Coexistence
Acetylene		1 %	Lower readings are given.
Ethylene FIG.1		300	∕
Hydrogen chloride		200	Higher readings are given.
Chlorine	Similar stain is produced.	10 × Vinyl chloride conc.	∕



TEMPERATURE CORRECTION TABLE

Scale Readings (ppm)	True Concentration (ppm)			
	0 °C (32 °F)	5 °C (41 °F)	10 °C (50 °F)	15 - 40 °C (59 °F)(104 °F)
6.0	10.0	8.2	7.0	6.0
5.0	8.2	6.8	5.7	5.0
4.0	6.7	5.5	4.7	4.0
3.0	4.9	4.1	3.5	3.0
2.0	3.3	2.7	2.3	2.0
1.0	1.6	1.3	1.2	1.0

CONVERSION CHART FOR BENZYL CHLORIDE DETECTION  
BY NO.132SC TUBE



N.B.)

This chart is applicable for 20°C (68°F) in temperature and 1 pump stroke of sampling conditions.