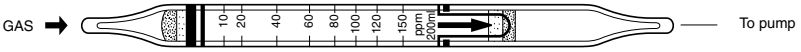
Tube No.
215S

p-DICHLOROBENZENE



1. PERFORMANCE

1) Measuring range : 10-150 ppm
   Number of pump strokes 1 (100mℓ)
2) Sampling time : 1.5 minutes/1 pump stroke
3) Detectable limit : 6 ppm
4) Shelf life : 1 year (Necessary to store in a refrigerated place ; 0 ~ 10℃)
5) Operating temperature : 0 ~ 40℃
6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
7) Reading : Direct reading from the scale calibrated by 1 pump stroke
8) Colour change : White → Blueish purple

2. RELATIVE STANDARD DEVIATION

RSD-low : 15 % RSD-mid. : 10 % RSD-high : 10 %

3. CHEMICAL REACTION

By reacting with an Oxidizer, Hydrogen chloride is prodaced and PH indicator is discoloured.

$C_6H_4CI_2 + PbO_2 + H_2SO_4 \rightarrow HCI$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Benzene		Similar stains are produced and higher readings are given.
Toluene		〃
Hexane	Blueish green stains are produced and the top of discoloured layer becomes unclear.	〃
Ethanol	The accuracy of reading is not affected.	The accuracy of reading is not affected.

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)						
	10℃ (50°F)	15℃ (59°F)	20℃ (68°F)	25℃ (77°F)	30℃ (86°F)	35℃ (95°F)	40℃ (104°F)
150	—	—	150	108	66	48	30
100	—	—	100	72	46	37	26
50	110	80	50	28	26	21	16
20	50	27	20	14	10	8	6
10	22	15	10	8	6	5	4