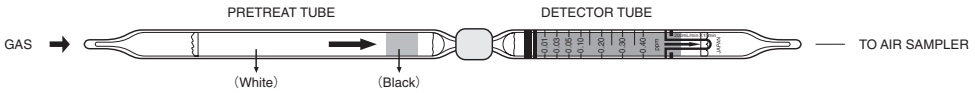
Tube No.
730

p-DICHLOROBENZENE



1. PERFORMANCE

1) Measuring range : 0.01-0.40 ppm
2) Sampling time : 200mℓ/min × 15min
3) Detectable limit : 0.002 ppm
4) Shelf life : 1 year
5) Operating temperature : 10 ~ 35 ℃
6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
7) Reading : Direct reading from the scale calibrated at the sampling of 200mℓ × 15min
8) Colour change : Orange → Reddish purple

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

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

$C_6H_4Cl_2 + PbO_2 + H_2SO_4 \rightarrow HCl$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Trichloroethylene	Similar stain is produced.	Higher readings are given.
Tetrachloroethylene	〃	〃
1,2-Dichloroethylene	〃	〃
Vinyl chloride	〃	〃

(NOTE)

Air sampler is required for this tube.

TABLE OF THE COEFFICIENT FOR TEMPERATURE CORRECTION (20 ℃ standard)

Temp(℃)	0	1	2	3	4	5	6	7	8	9
10	2.13	1.95	1.78	1.63	1.50	1.38	1.28	1.19	1.11	1.05
20	1.00	0.95	0.92	0.88	0.84	0.81	0.78	0.75	0.73	0.72
30	0.70	0.69	0.68	0.68	0.67	0.66	—	—	—	—