



1. PERFORMANCE

- 1) Measuring range : 30-400 $\mu\text{g}/\text{m}^3$ 69-920 $\mu\text{g}/\text{m}^3$
- 2) Sampling time : 100m ℓ /min \times 30min 1000m ℓ /min \times 15min
- 3) Detectable limit : 5 $\mu\text{g}/\text{m}^3$ (100m ℓ /min \times 30min)
- 4) Shelf life : 1 year
- 5) Operating temperature : 0 ~ 40 $^{\circ}\text{C}$
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated at the sampling of 100m ℓ \times 30min
- 8) Colour change : Yellow orange \rightarrow Purple red

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

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



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

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

(NOTE)

Air sampler is required for this tube.

TABLE OF THE COEFFICIENT FOR TEMPERATURE CORRECTION (20 $^{\circ}\text{C}$ standard)

Temp($^{\circ}\text{C}$)	0	1	2	3	4	5	6	7	8	9
0	1.39	1.36	1.34	1.32	1.30	1.28	1.26	1.24	1.22	1.20
10	1.18	1.16	1.14	1.13	1.11	1.09	1.07	1.05	1.04	1.02
20	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
30	0.84	0.82	0.81	0.79	0.78	0.76	0.75	0.73	0.72	0.71
40	0.69	—	—	—	—	—	—	—	—	—