



1. PERFORMANCE

- 1) Measuring range : 50-500 ppm 125-1,250 ppm
 Number of pump strokes : 1 (100mℓ) 1/2 (50mℓ)
- 2) Sampling time : 45 seconds/1 pump stroke
- 3) Detectable limit : 5 ppm (100mℓ)
- 4) Shelf life : 1 year
- 5) Operating temperature : 5 ~ 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. : 10 % RSD-high : 10 %

3. CHEMICAL REACTION

Iodine pentoxide is reduced.



4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Trichloroethylene	Similar stain is produced.	10	Higher readings are given.
1,2-Dichloroethylene	∕	10	∕
1,1,1-Trichloroethane		less than 300	The accuracy of readings is not affected.

(NOTE)

In case of a 1/2 pump stroke, the following formula is available for the actual concentration.

Actual concentration = 2.5 × Reading value

TEMPERATURE CORRECTION TABLE

Temperature ; To correct for temperature, multiply the tube reading by the following factors.

Temperature (°C)	1	2	3	4	5	6	7	8	9	10
Correction Factor	—	—	—	—	1.40	1.36	1.32	1.28	1.24	1.20
Temperature (°C)	11	12	13	14	15	16	17	18	19	20
Correction Factor	1.18	1.16	1.14	1.12	1.10	1.08	1.06	1.04	1.02	1.00
Temperature (°C)	21	22	23	24	25	26	27	28	29	30
Correction Factor	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
Temperature (°C)	31	32	33	34	35	36	37	38	39	40
Correction Factor	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80