



1. PERFORMANCE

- 1) Measuring range : 20-1,000 ppm
Number of pump strokes : 1 (100mL)
- 2) Sampling time : 2 minutes / 1 pump stroke
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0~40°C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION COEFFICIENT TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : White → Green

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with Diphenylamine, N-Nitrosodiphenylamine is produced.



4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Chlorine	—	The accuracy of readings is not affected.	—	The accuracy of readings is not affected.
Bromine	—	∕	—	∕
Iodine	—	∕	—	∕
Hydrogen chloride	—	∕	—	∕
Sulphur dioxide	—	∕	—	∕
Ozone	10	Brown stain is produced.	15	Lower readings are given.

TEMPERATURE CORRECTION COEFFICIENT TABLE

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

Temperature(°C)	0	1	2	3	4	5	6	7	8	9
Correction Factor	0.90	0.91	0.91	0.92	0.92	0.93	0.93	0.94	0.94	0.95
Temperature(°C)	10	11	12	13	14	15	16	17	18	19
Correction Factor	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Temperature(°C)	20	21	22	23	24	25	26	27	28	29
Correction Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Temperature(°C)	30	31	32	33	34	35	36	37	38	39
Correction Factor	1.05	1.05	1.06	1.06	1.07	1.07	1.08	1.08	1.09	1.09
Temperature(°C)	40									
Correction Factor	1.10									