

1. PERFORMANCE

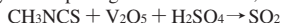
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|-----------------------------|--|-------------|
| 1) Measuring range | : 0.3-10 ppm | 0.66-22 ppm |
| Number of pump strokes | 1 (100mℓ) | 1/2 (50mℓ) |
| 2) Sampling time | : 2 minutes / 1 pump stroke | |
| 3) Detectable limit | : 0.1 ppm | |
| 4) Shelf life | : 1 year (Necessary to store in refrigerated conditions ; 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 | : Pink → Yellowish orange | |

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By decomposing with an oxidizer, Sulphur dioxide is produced and PH indicator is discoloured.



$\text{SO}_2 + \text{pH indicator (Pink)} \rightarrow \text{Yellowish orange}$

4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	%	Coexistence
Carbon dioxide		35	Higher readings are given.

(NOTE)

The scale is calibrated based on the temperature of 20℃. Reading obtained in other temperature circumstances should be corrected with the following temperature correction coefficient table.

TEMPERATURE CORRECTION COEFFICIENT TABLE (AT 20℃)

Pump stroke	Temperature (C)	0	5	10	15	20	25	30	35	40
1	Coefficient	1.30	1.23	1.15	1.08	1.00	0.95	0.90	0.85	0.80
		1.70	1.48	1.30	1.11	1.00	0.97	0.95	0.92	0.90

Actual concentration = Reading value × Coefficient for temperature correction