

1. PERFORMANCE

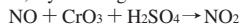
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|--------------------------|---|------------|
| 1) Measuring range | : 1.0-30 ppm | 0.5-15 ppm |
| Number of pump strokes | 1/2 (50mℓ) | 1 (100mℓ) |
| 2) Sampling time | : 1 minute/1 pump stroke | |
| 3) Detectable limit | : 0.2 ppm (100mℓ) | |
| 4) Shelf life | : 3 years | |
| 5) Operating temperature | : 0 ~ 40 °C | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | |
| 7) Colour change | : White → Pale purple | |

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

NO ; By reacting with an Oxidizer, NO₂ is produced.



NO₂ ; By reacting with 3, 3²-Dimethylnaphthidine, Nitroso-compound is produced.



4. CALIBRATION OF THE TUBE

NO ; STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Chlorine	Similar stain is produced.	1	Higher readings are given.
Hydrogen chloride	∕	300	The accuracy of readings is not affected.
Sulphur dioxide	The accuracy of reading is not affected.	500	Lower readings are given.
Hydrogen sulphide	∕	5	∕
Ozone	∕	Nox conc. × 1/10	Higher readings are given.
Hexane	∕	Nox conc. × 10	∕
Laughing gas	∕		

(NOTE)

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

Actual concentration = 2 × Reading value