

## 1. PERFORMANCE

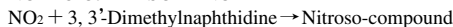
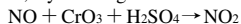
- |                          |  |            |
|--------------------------|--|------------|
| 1) Measuring range       | : 1.0-30 ppm   | 0.5-15 ppm |
| Number of pump strokes   | 1/2 (50mℓ)   | 1 (100mℓ)  |
| 2) Sampling time         | : 1 minute/1 pump stroke   |            |
| 3) Detectable limit      | : 0.2 ppm (100mℓ)  |            |
| 4) Shelf life            | : 3 years (Necessary to store in a refrigerated place ; 0 ~ 10 °C) |            |
| 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

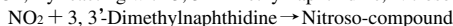
RSD-low : 10% RSD-mid. : 5% RSD-high : 5%

## 3. CHEMICAL REACTION

NO ; By reacting with an Oxidizer, NO<sub>2</sub> is produced.



NO<sub>2</sub> ; By reacting with 3, 3<sup>2</sup>-Dimethylnaphthidine, Nitroso-compound is produced.



## 4. CALIBRATION OF THE TUBE

NO ; STANDARD GAS CYLINDER METHOD

NO<sub>2</sub> ; PERMEATION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

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

(NOTE)

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

Actual concentration = 2 × Reading value