



## 1. PERFORMANCE

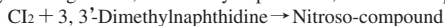
- 1) Measuring range : 0.1-2 ppm      0.05-1 ppm
- Number of pump strokes : 1 (100mℓ)    2 (200mℓ)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 0.01 ppm (200mℓ)
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Direct reading from the scale calibrated 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

By reacting with 3, 3<sup>2</sup>-Dimethylnaphthidine, Nitroso-compound is produced.



## 4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

| Substance                  | Interference                              | ppm                 | Coexistence                |
|----------------------------|---|---------------------|----------------------------|
| Hydrogen chloride    FIG.1 | The accuracy of readings is not affected. | Chlorine conc. × 20 | Higher readings are given. |
| Nitrogen dioxide    FIG.2  | Similar stain is produced.                |                     | ∕                          |

(NOTE)

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

Actual concentration = 1/2 × Reading value

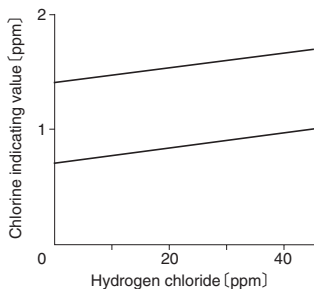


FIG.1 Influence of Hydrogen chloride

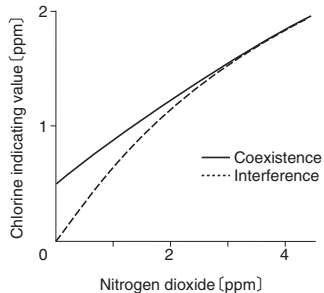


FIG.2 Influence of Nitrogen dioxide