

1. PERFORMANCE

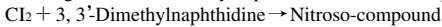
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|--------------------------|---|------------|
| 1) Measuring range | : 0.1-2 ppm | 0.05-1 ppm |
| Number of pump strokes | 1 (100ml) | 2 (200ml) |
| 2) Sampling time | : 1 minute/1 pump stroke | |
| 3) Detectable limit | : 0.01 ppm (200ml) | |
| 4) 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, 3²-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

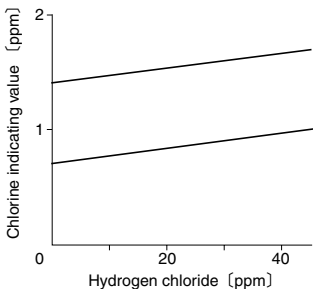


FIG.1 Influence of Hydrogen chloride

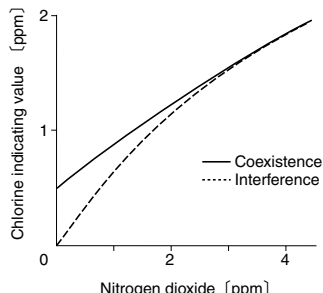


FIG.2 Influence of Nitrogen dioxide