



1. PERFORMANCE

- 1) Measuring range : 0.1-1.0 ppm
Number of pump strokes : 3 (300mℓ)
- 2) Sampling time : 135 seconds (45 seconds/1 pump stroke)
- 3) Detectable limit : 0.01 ppm (300mℓ)
- 4) Shelf life : 1.5 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Direct reading from the scale calibrated by 3 pump strokes
- 7) Colour change : White → Pale purple

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

$\text{NO}_2 + 3, 3\text{-Dimethylnaphthidine} \rightarrow \text{Nitroso-compounds}$

4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Chlorine	3	Similar stain is produced.	3	Higher readings are given.
Ozone		The accuracy of readings is not affected.	2	∕
Sulphur dioxide		∕	7	Lower readings are given.
Formaldehyde		∕		The accuracy of readings is not affected.
Formic acid		∕		∕
Carbon monoxide		∕		∕
Carbon dioxide		∕		∕
Ethyl alcohol		∕		∕