



1. PERFORMANCE

- 1) Measuring range : 0.01-0.10 ppm 0.02-0.20 ppm
- 2) Sampling time : 200ml/min × 20min 200ml/min × 10min
- 3) Detectable limit : 0.002 ppm (at the sampling of 200ml/min × 20min)
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (30 ~ 40°C) (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated at the sampling of 200ml/min × 20min
- 8) Colour change : White → purple-red

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with 3,3'-Dimethylnaphthidine, Nitroso compound is produced.



4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Sulphur dioxide		0.3	Lower readings are given.
Ozone		0.2	∕
Carbon monoxide			The accuracy of readings is not affected.
Carbon dioxide			∕
Nitrogen monoxide			∕
Formaldehyde			∕
Toluene			∕
Xylene			∕
Ethyl benzene			∕
Styrene			∕
p-Dichlorobenzene			∕
Acetone			∕

(NOTE)

Air sampler is required for this tube.

TABLE OF THE COEFFICIENT FOR TEMPERATURE CORRECTION

Temperature (°C)	31	32	33	34	35	36	37	38	39	40
Correction factor	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.18	1.20