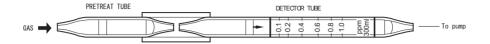
# NITROGEN DIOXIDE



## 1. PERFORMANCE

1) Measuring range : 0.1-1.0ppm Number of pump strokes 3(300mL)

2) Sampling time : 135 seconds (45 seconds/1 pump stroke)

3) Detectable limit : 0.01ppm(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  $\rightarrow$  Pale purple

#### 2. RELATIVE STANDARD DEVIATION

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

#### 3. CHEMICAL REACTION

 $NO_2 + 3$ , 3' - Dimethylnaphthidine  $\rightarrow$  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.
0zone			2	и
Sulphur dioxide			7	Lower readings are given.
Formaldehyde				The accuracy of readings is not affected.
Formic acid				"
Carbon monoxide				u
Carbon dioxide				u
Ethyl alcohol				"