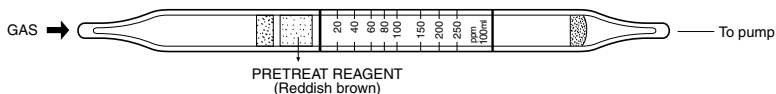


# NITROGEN OXIDES



## 1. PERFORMANCE

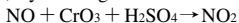
- 1) Measuring range : 20-250 ppm  
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 1 year
- 5) Operating temperature : 5 ~ 45 °C
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : White → Yellow

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

NO ; By reacting with an Oxidizer, NO<sub>2</sub> is produced.



NO<sub>2</sub>; By reacting with Diphenylamine, N-Nitroso-diphenylamine is produced.



## 4. CALIBRATION OF THE TUBE

NO ; STANDARD GAS CYLINDER METHOD

NO<sub>2</sub>; PERMEATION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Hydrogen chloride	Over 600	Dark blue stain is produced.		Lower readings are given.
	Over 1,000	Brownish red/Yellow/Dark blue stain is produced.		
Sulphur dioxide			100	∕