

1. PERFORMANCE

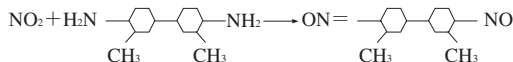
- 1) Measuring range : 20-1,000 ppm
Number of pump strokes : 1 (100ml)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 5 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : White → Yellowish orange

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with *o*-Toluidine, Nitroso-*o*-Toluidine (dyestuff) is produced.



4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Chlorine	Similar stain is produced.	5	Higher readings are given.
Bromine	∕	5	∕
Iodine	∕	5	∕
Ozone	∕	5	∕
Nitrogen monoxide	The accuracy of readings is not affected.	10	The accuracy of readings is not affected.

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)						
	0 °C (32 °F)	5 °C (41 °F)	10 °C (50 °F)	15 °C (59 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
1,000	—	—	—	—	1,000	640	540
800	—	—	—	—	800	560	480
600	—	—	—	860	600	470	420
500	—	—	1,000	700	500	410	380
400	—	—	840	540	400	350	330
300	—	1,000	570	390	300	280	270
200	1,000	500	320	240	200	200	190
100	200	160	120	110	100	100	100
50	60	60	60	55	50	50	50
20	20	10	20	20	20	20	20