

1. PERFORMANCE

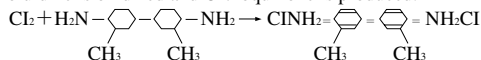
- 1) Measuring range : 1-40 ppm
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 0.3 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : White → Yellowish orange

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

o-Toluidine is oxidized and Orthoquinone is produced.



4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Bromine	0.1	Similar stain is produced.	1	Higher readings are given.
Chlorine dioxide	0.3	∕	1	∕
Nitrogen dioxide		Pale yellow stain is produced.	Chlorine conc. × 1/2	The top of discoloured layer becomes unclear higher readings are given.