

**1. PERFORMANCE**

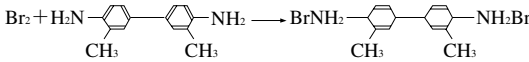
- 1) Measuring range : 1-20 ppm
- Number of pump strokes 1 (100mℓ)
- 2) Sampling time : 2 minutes/1 pump stroke
- 3) Detectable limit : 0.1 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Concentration chart method
- 7) Colour change : White → Orange

**2. RELATIVE STANDARD DEVIATION**

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

**3. CHEMICAL REACTION**

*o*-Toluidine is oxidized and Orthoquinone is produced.

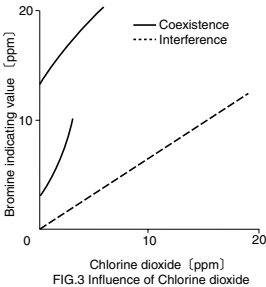
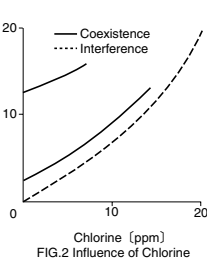
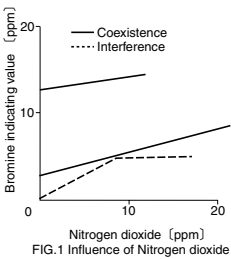


**4. CALIBRATION OF THE TUBE**

COLOURIMETRY METHOD

**5. INTERFERENCE AND CROSS SENSITIVITY**

Substance	Interference	ppm	Coexistence
Nitrogen dioxide FIG.1	Similar stain is produced.		Higher readings are given.
Chlorine FIG.2	∕	1	∕
Chlorine dioxide FIG.3	∕		∕



**TEMPERATURE CORRECTION TABLE**

Chart Readings (ppm)	Correct Concentration (ppm)					
	0 °C (32° F)	10 °C (50° F)	20 °C (68° F)	30 °C (86° F)	40 °C (104° F)	
20	32	24	20	17	14	
15	22	18	15	12	10	
10	15	13	10	8	6	
5	9	7	5	4	3	
3	6	4	3	2	1.5	
1	3	1.5	1	0.8	0.5	

