

## 1. PERFORMANCE

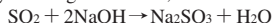
- 1) Measuring range : 20-300 ppm
- Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 3 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : Purple → Yellow

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with alkali, PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Chlorine FIG.1		Similar stain is produced.	SO <sub>2</sub> conc. × 1/5	Higher readings are given.
Nitrogen dioxide FIG.2	100	Pink stain is produced.	∕	∕
Hydrogen sulphide FIG.3		The accuracy of readings is not affected.	SO <sub>2</sub> conc. × 100	Lower readings are given.

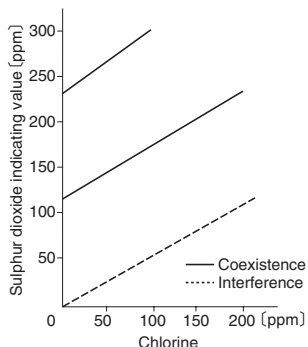


FIG.1 Influence of Chlorine

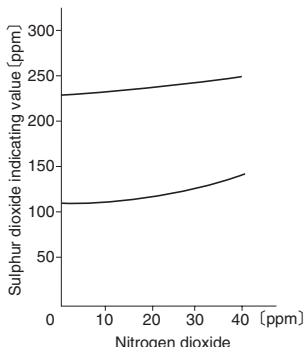


FIG.2 Influence of Nitrogen dioxide

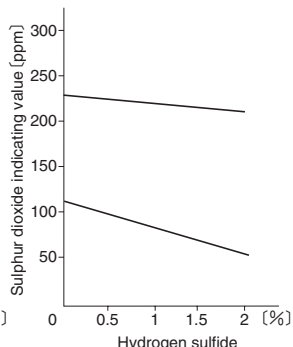


FIG.3 Influence of Hydrogen sulfide