

## 1. PERFORMANCE

- 1) Measuring range : 40-1,200 ppm      20-600 ppm
- Number of pump strokes : 1/2 (50mℓ)      1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 5 ppm (100mℓ)
- 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 → Pink

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

PH indicator is discoloured by Hydrogen chloride.

## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Sulphur dioxide FIG.1	Yellow stain is produced.		Yellow - Pink double - layer stains are produced and this pink stain indicates Hydrogen chloride concentration.
Chlorine	∕		
Hydrogen sulphide		500	The accuracy of readings is not affected.

(NOTE)

In case of 1/2 pump strokes, following formula is available for the actual concentration.

Actual concentration = 2 × Reading value

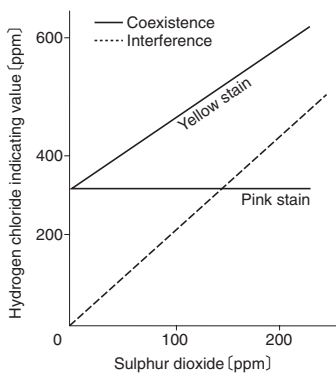


FIG.1 Influence of Sulphur dioxide