

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

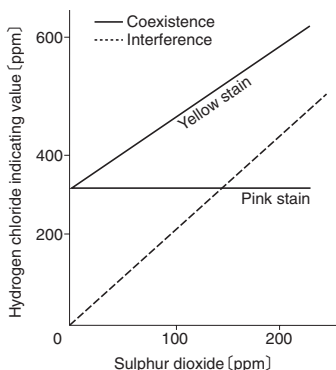


FIG.1 Influence of Sulphur dioxide