

## 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

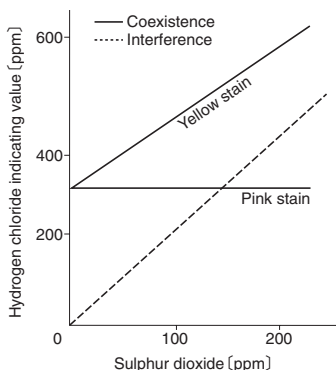


FIG.1 Influence of Sulphur dioxide