

## 1. PERFORMANCE

- |                          |  |            |
|--------------------------|--|------------|
| 1) Measuring range       | : 2-100 ppm  | 0.2-25 ppm |
| Number of pump strokes   | 1 (100ml)  | 4 (400ml)  |
| 2) Sampling time         | : 1 minute/1 pump stroke   |            |
| 3) Detectable limit      | : 0.2 ppm (400ml)  |            |
| 4) Shelf life            | : 2 years (Necessary to store in a refrigerated place ; 0 ~ 10 °C) |            |
| 5) Operating temperature | : 0 ~ 40 °C  |            |
| 6) Reading               | : Direct reading from the scale calibrated by 1 pump stroke        |            |
| 7) Colour change         | : Yellow → Red   |            |

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Mercury chloride, Hydrogen sulphide is liberated and PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

COLOURIMETRY METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Sulphur dioxide	Similar stain is produced.	1	Higher readings are given.
Hydrogen sulphide	FIG.1	3	"
Ammonia	The accuracy of readings is not affected.	5	Lower readings are given.

(NOTE)

In case of 4 pump strokes, following formula is available for the actual concentration.

$$\text{Actual concentration} = \text{Reading value} \times \frac{1}{4}$$

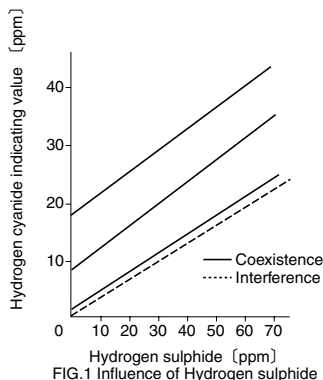


FIG.1 Influence of Hydrogen sulphide