

## 1. PERFORMANCE

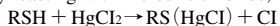
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|--------------------------|--|-----------|
| 1) Measuring range       | : 1-10 ppm   | 0.5-5 ppm |
| Number of pump strokes   | 1/2 (50mℓ)   | 1 (100mℓ) |
| 2) Sampling time         | : 1 minute/1 pump stroke   |           |
| 3) Detectable limit      | : 0.2 ppm (100mℓ)  |           |
| 4) Shelf life            | : 2 years  |           |
| 5) Operating temperature | : 0 ~ 40 °C  |           |
| 6) Reading               | : Direct reading from the scale calibrated by Methyl mercaptan at 1 pump stroke. |           |
| 7) Colour change         | : Pale yellow → Pink   |           |

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Mercuric chloride, Hydrogen chloride is produced and PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Arsine	Similar stain is produced.	Higher readings are given.
Hydrogen selenide	∕	∕
Phosphine	∕	∕
Hydrogen sulphide	∕	∕
Hydrogen cyanide	Whole reagent is discoloured to Red.	∕
Sulphur dioxide		Whole reagent is changed to Pale red, but Pink stain indicates Mercaptans conc.

(NOTE)

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

Actual concentration = 2 × Reading value

This tube scale is calibrated based on Methyl mercaptan and the same scale is available for Isopropyl mercaptan.