



## 1. PERFORMANCE

- 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 : 0.1 ppm (100mL)
- 4) Shelf life : 2 years
- 5) Operating temperature : 0~40°C
- 6) Reading : The tube scale is calibrated based on Methyl mercaptan at 1 pump stroke and tert-Butyl mercaptan concentration is determined by multiplying the tube reading by 1.10.
- 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 silver compound, Acidic product is produced and PH indicator is discoloured.

## 4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Arsine	Similar stain is produced.	Higher readings are given.
Hydrogen selenide	//	//
Phosphine	//	//
Hydrogen sulphide	//	//

## (NOTE)

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

Actual concentration = 2 × Reading value × 1.10