



## 1. PERFORMANCE

- 1) Measuring range : 20-700 ppm
- Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 3 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 6 months
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Concentration chart method
- 7) Colour change : Pale yellow → Dark purple

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Gold chloride (III), colloidal gold is liberated.



## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Arsine	Similar stain is produced.	10	Higher readings are given.
Iron carbonyl	∕	10	∕
Mercury vapour	∕	10	∕
Hydrogen sulphide	Brown stain is produced.	10	∕
Sulphur dioxide	Pale blue stain is produced.	10	∕
Carbon monoxide	The accuracy of readings is not affected.	1,000	∕
Acetylene	∕	3%	∕

