



## 1. PERFORMANCE

- |                          |   |           |
|--------------------------|---|-----------|
| 1) Measuring range       | : 5-600 ppm   | 1-120 ppm |
| Number of pump strokes   | 1 (100mℓ)   | 5 (500mℓ) |
| 2) Sampling time         | : 1.5 minutes/1 pump stroke                                 |           |
| 3) Detectable limit      | : 0.5 ppm (500mℓ)   |           |
| 4) Shelf life            | : 1 year  |           |
| 5) Operating temperature | : 0 ~ 40 °C   |           |
| 6) Reading               | : Direct reading from the scale calibrated by 1 pump stroke |           |
| 7) Colour change         | : Pale yellow → Dark brown                                  |           |

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Gold chloride, Colloidal gold is liberated.



## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	Coexistence
Acetylene	3%	Higher readings are given.	Higher readings are given.
Carbon monoxide	0.1%	∕	∕
Sulphur dioxide		Pale blue stain is produced.	∕
Hydrogen sulphide	10	Brown stain is produced.	∕
Mercury vapours		Similar stain is produced.	∕
Arsine	10	∕	∕
Iron carbonyl	10	∕	∕
Nickel carbonyl	10	∕	∕

(NOTE)

When the concentration is below 5 ppm, 5 pump strokes can be used to determine the lower concentration with the following formula.

Actual concentration =  $1/5 \times$  Reading value