

1. PERFORMANCE

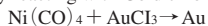
- 1) Measuring range : 20-700 ppm
- Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 3 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 6 months
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Concentration chart method
- 7) Colour change : Pale yellow → Dark purple

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%	∕

