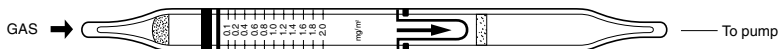


Tube No.
142S

MERCURY VAPOUR



1. PERFORMANCE

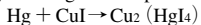
- 1) Measuring range : 0.5-10mg/m³ 0.1-2.0mg/m³
 Number of pump strokes 1 (100mℓ) 5 (500mℓ)
- 2) Sampling time : 5 minutes/5 pump strokes
- 3) Detectable limit : 0.02 mg/m³ (500mℓ)
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40°C
- 6) Reading : Direct reading from the scale calibrated by 5 pump strokes
- 7) Colour change : Grey → Pale orange

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

By reacting with Cupric iodide (II), Cupric mercury iodide is produced.



4. CALIBRATION OF THE TUBE

VAPOUR PRESSURE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | Interference | ppm | Coexistence |
|-------------------|---|-----|---------------------------|
| Chlorine | The accuracy of readings is not affected. | 0.1 | Lower readings are given. |
| Hydrogen chloride | ∕ | 0.5 | ∕ |
| Nitrogen dioxide | Brown stain is produced. | 0.1 | ∕ |
| Hydrogen Sulphide | ∕ | 0.5 | ∕ |

(NOTE)

In case of 1 pump stroke, actual concentration is calculated with five times of reading value.