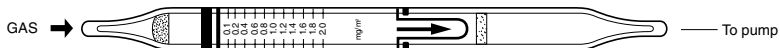


Tube No.
142S

MERCURY VAPOUR



1. PERFORMANCE

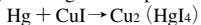
- | | | |
|--------------------------|--|--------------------------|
| 1) Measuring range | : 0.5-10mg/m ³ | 0.1-2.0mg/m ³ |
| Number of pump strokes | : 1 (100mℓ) | 5 (500mℓ) |
| 2) Sampling time | : 5 minutes/5 pump strokes | |
| 3) Detectable limit | : 0.02 mg/m ³ (500mℓ) | |
| 4) Shelf life | : 3 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.