

## 1. PERFORMANCE

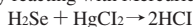
- |                          |   |            |
|--------------------------|---|------------|
| 1) Measuring range       | : 1-20 ppm  | 0.5-10 ppm |
| Number of pump strokes   | 1 (100ml)   | 2 (200ml)  |
| 2) Sampling time         | : 1 minute/1 pump stroke  |            |
| 3) Detectable limit      | : —   |            |
| 4) Shelf life            | : 2 years   |            |
| 5) Operating temperature | : 15 ~ 20 °C  |            |
| 6) Reading               | : The tube scale is calibrated based on Diborane at 1 pump stroke and Hydrogen selenide concentration is determined by using a conversion chart at 1 and 2 pump strokes |            |
| 7) Colour change         | : Pale yellow → Reddish purple  |            |

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Mercuric chloride, Hydrogen chloride is liberated and PH indicator is discoloured.

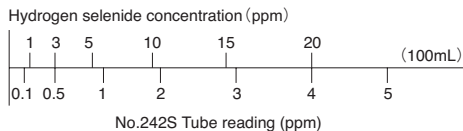


## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Arsine	Similar stain is produced.	Higher readings are given.
Phosphine	∕	∕
Monosilane	The maximum end point of stained layer is indiscernible.	∕
Disilane	∕	∕
Monogermane	The accuracy of readings is not affected.	The accuracy of readings is not affected.



### (NOTE)

In case of 2 pump strokes, following formula is available for the actual concentration.

$$\text{Actual concentration} = \text{Converted value} \times 1/2$$