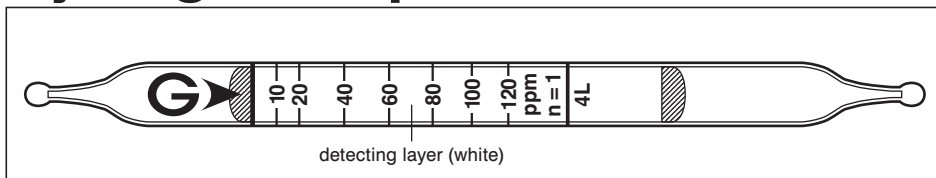


# Hydrogen Sulphide H<sub>2</sub>S

No.4L



## Performance

|                        |                         |               |                |
|------------------------|-------------------------|---------------|----------------|
| Measuring range        | 1 to 10 ppm             | 10 to 120 ppm | 120 to 240 ppm |
| Number of pump strokes | 2 to 10 (200 to 1000ml) | 1 (100 ml)    | 1/2 (50 ml)    |
| Correction factor      | 1/2 to 1/10             | 1             | 2              |
| Sampling time          | 1.5 to 7.5 min          | 45 sec        | 30 sec         |

Detecting limit : 0.2 ppm (10 pump strokes)

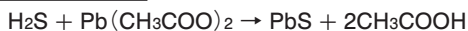
Colour change : White → Brown

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 5 % (for 10 to 120 ppm)

Shelf life : 3 years

## Reaction principle



## Possible coexisting substances and their interferences

| Substance         | Concentration | Interference | Changes colour by itself to |
|-------------------|---------------|--------------|-----------------------------|
| Nitrogen dioxide  | ≅ 1/4         | -            | } No                        |
| Sulphur dioxide   | ≅ 1/1         | +            |                             |
| Mercaptans        |               | No           |                             |
| Hydrogen chloride |               | Bleaching    |                             |

## Calibration gas generation

Permeation tube method