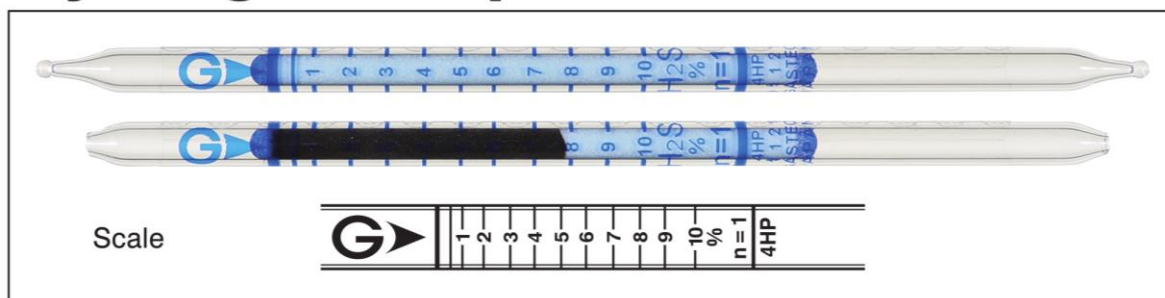




## Hydrogen Sulphide H<sub>2</sub>S

Part No.: 4HP

# Hydrogen Sulphide H<sub>2</sub>S No.4HP



**Performance** The minimum scale value (0.5%) is not printed on the tube, but only the scale line is printed.

|                        |               |               |             |
|------------------------|---------------|---------------|-------------|
| Measuring range        | 0.25 to 0.5 % | (0.5) to 10 % | 10 to 20 %  |
| Number of pump strokes | 2 (200 mL)    | 1 (100 mL)    | 1/2 (50 mL) |
| Correction factor      | 1/2           | 1             | 2           |
| Sampling time          | 6 min         | 3 min         | 1.5 min     |

Detecting limit : 0.1 % (2 pump strokes)

Colour change : Pale blue → Blackish brown

Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction not used

Relative humidity 0 to 90 % correction not used

Relative standard deviation : 10 % (for 0.5 to 3 %), 5 % (for 3 to 10 %)

Tube quantity and number of tests per box : 10 tubes for 10 tests

Shelf life : 36 months

### Reaction principle



### Possible coexisting substances and their interferences

| Substance       | Concentration | Interference                                  | Changes colour by itself to |
|-----------------|---------------|-----------------------------------------------|-----------------------------|
| Ammonia         |               | Two layers<br>(Blackish brown<br>& dark blue) | Dark blue                   |
| Mercaptans      | ≥ 5 %         | +                                             | } No                        |
| Sulphur dioxide | ≥ 2.5 %       | -                                             |                             |

### Calibration gas generation

High pressure gas cylinder method