

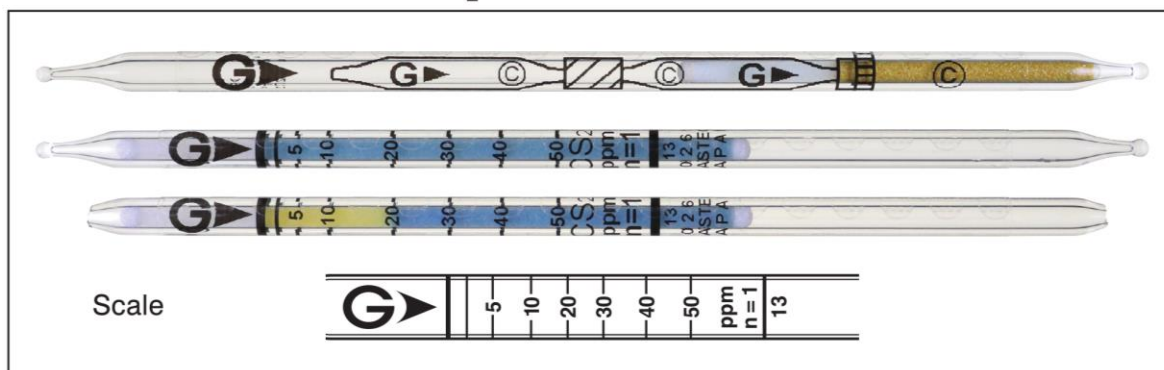


## Carbon Disulphide CS<sub>2</sub>

Part No.:13

# Carbon Disulphide CS<sub>2</sub>

No.13



When used, these tubes are to be connected. See page 2-3.

### Performance

The minimum scale value (2.5ppm) is not printed on the tube, but only the scale line is printed.

|                        |                 |                |                 |               |
|------------------------|-----------------|----------------|-----------------|---------------|
| Measuring range        | 0.63 to 1.25ppm | 1.25 to 2.5ppm | (2.5) to 50 ppm | 50 to 100 ppm |
| Number of pump strokes | 4 (400 mL)      | 2 (200 mL)     | 1 (100 mL)      | 1/2 (50 mL)   |
| Correction factor      | 1/4             | 1/2            | 1               | 2             |
| Sampling time          | 12 min          | 6 min          | 3 min           | 1.5 min       |

Detecting limit : 0.3 ppm (4 pump strokes)

Colour change : Blue → Yellow

Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction used

Relative humidity 0 to 90 % correction not used

Relative standard deviation : 10 % (for 2.5 to 10 ppm), 5 % (for 10 to 50 ppm)

Tube quantity and number of tests per box : 10 tubes for 5 tests

Shelf life : 36 months

### Reaction principle



### Possible coexisting substances and their interferences

| Substance        | Concentration  | Interference | Changes colour by itself to |
|------------------|----------------|--------------|-----------------------------|
| Sulphur dioxide  | $\geq 1/5$     | +            | Yellow                      |
| Ammonia          |                | No           | No                          |
| Hydrogen cyanide | $\leq 200$ ppm | No           | No                          |

Hydrogen Sulphide is trapped in the pretreatment layer.

### Calibration gas generation

Diffusion tube method