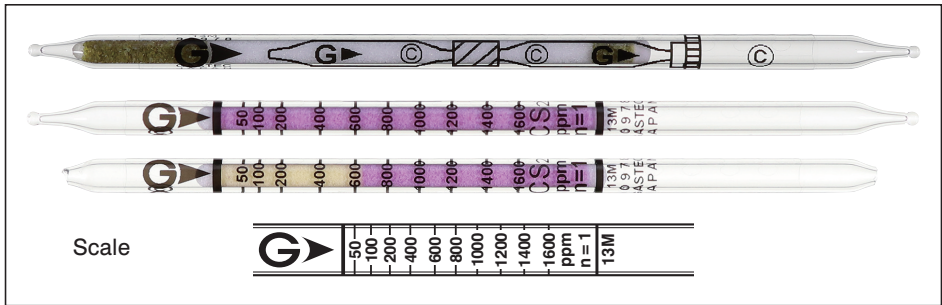


Carbon Disulphide CS₂

No.13M



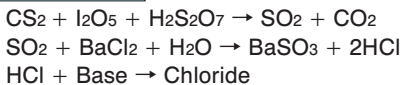
Performance

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

Measuring range	20 to 50 ppm	50 to 1600 ppm	1600 to 4000 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	0.4	1	2.5
Sampling time	3 min	1.5 min	45 sec

Detecting limit : 10 ppm (2 pump strokes)
 Colour change : Purple → 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 50 to 400 ppm) , 5 % (for 400 to 1600 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
Hydrocarbons (lower class)	≥ 1000 ppm	+	Yellow
Hydrogen sulphide		+	
Carbonyl sulphide		+	
Sulphur dioxide		+	

Up to 1000 ppm of lower class hydrocarbons are trapped in the white layer in the pretreatment tube.

Calibration gas generation

Diffusion tube method