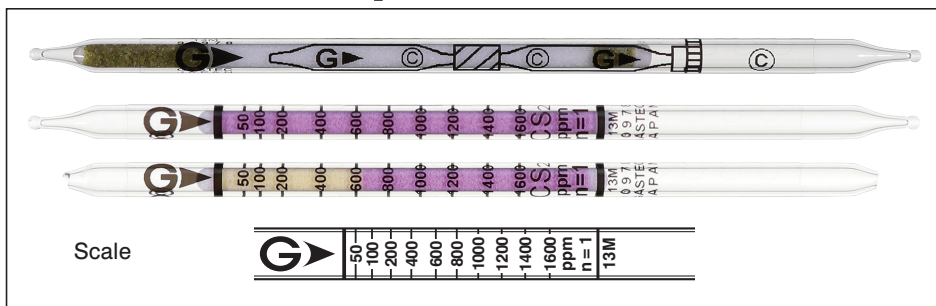


Carbon Disulphide CS₂

No.13M



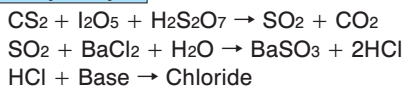
Performance

When used, these tubes are to be connected.

Measuring range	15 to 50 ppm	50 to 1600 ppm	1600 to 5120 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	0.30	1	3.2
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