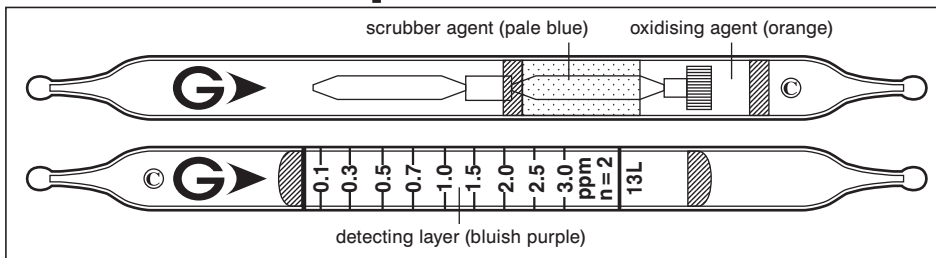


# Carbon Disulphide CS<sub>2</sub>

No.13L



## Performance

When used, these tubes are to be connected.

Measuring range	0.1 to 3.0 ppm	3.0 to 8.1 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)
Correction factor	1	2.7
Sampling time	6 min	3 min

Detecting limit : 0.05 ppm (2 pump strokes)

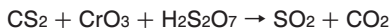
Colour change : Bluish purple → White

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 0.1 to 1.0 ppm), 5 % (for 1.0 to 3.0 ppm)

Shelf life : 2 years

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Chloroform	≧ 150 ppm	+	White
Carbon tetrachloride	≧ 50 ppm	+	White
o-Dichlorobenzene	20 ppm	No	No (≦ 20 ppm)
Dichloromethane	≧ 100 ppm	+	White
Tetrachloroethylene	≧ 80 ppm	+	White
Trichloroethylene	≧ 10 ppm	+	White
Hydrogen sulphide	≧ 50 ppm	+	No (≦ 50 ppm)
Acetone	750 ppm	No	No
Ethyl acetate	200 ppm	No	No
Toluene	40 ppm	No	No
n-Hexane	100 ppm	No	No
Methanol	300 ppm	No	No
Methyl ethyl ketone	250 ppm	No	No

## Calibration gas generation

Permeation tube method