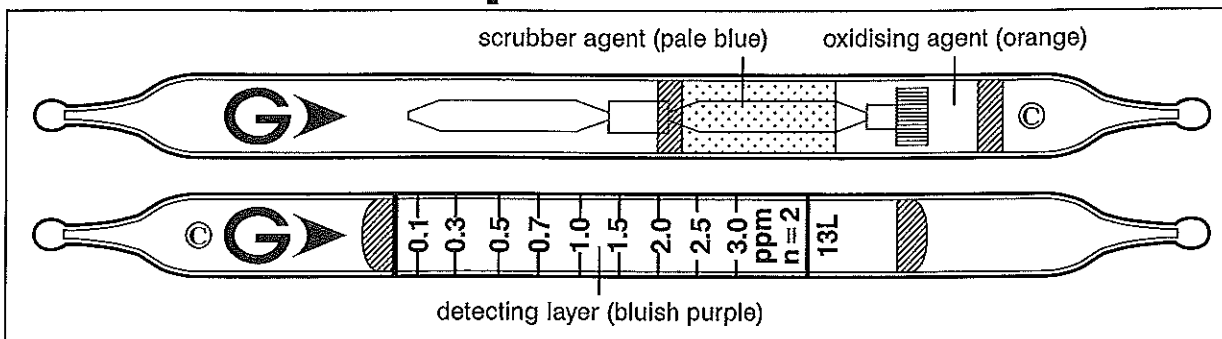


# Carbon Disulphide CS<sub>2</sub>

No.13L



## Performance

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

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	4 min	2 min

Detecting limit : 0.05 ppm (2 pump strokes)

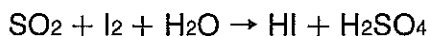
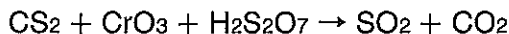
Colour change : Bluish purple → White

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 (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Chloroform	≥ 150 ppm	+	White
Carbon tetrachloride	≥ 50 ppm	+	White
o-Dichlorobenzene	20 ppm	-	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