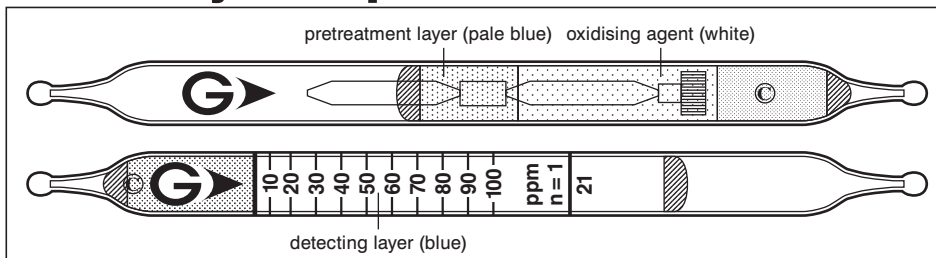


Carbonyl Sulphide COS

No.21



Performance

When used, these tubes are to be connected.

Measuring range	5 to 10 ppm	10 to 100 ppm	100 to 200 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2
Sampling time	6 min	3 min	1.5 min

Detecting limit : 1 ppm (2 pump strokes)

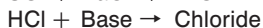
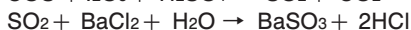
Colour change : Blue → Yellow

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 10 to 30 ppm) , 5 % (for 30 to 100 ppm)

Shelf life : 2 years (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Carbon disulphide		+	} Yellow
Sulphur dioxide		+	
Butane	≥ 5000 ppm	-	} No
Propane	≥ 5000 ppm	-	

Up to 500 ppm of hydrogen sulphide is trapped in the white layer in the pretreatment tube.

Calibration gas generation

High pressure gas cylinder method