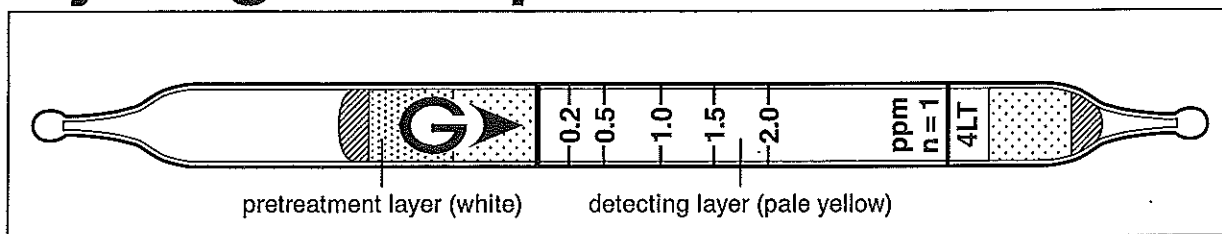


Hydrogen Sulphide H₂S

No.4LT



Performance

Measuring range	0.1 to 0.2 ppm	0.2 to 2 ppm	2 to 4 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2
Sampling time	2 min	1 min	30 sec

Detecting limit : 0.05 ppm (2 pump strokes)

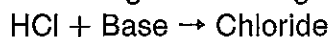
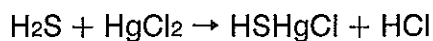
Colour change : Pale yellow → Reddish brown

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 0.2 to 0.5 ppm), 5 % (for 0.5 to 2 ppm)

Shelf life : 2 years (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Mercaptans	≥ 1/10	+	Reddish brown
Ammonia		No	} No
Methyl sulphide		No	
Nitrogen dioxide		No	
Sulphur dioxide		No	

Water vapour is removed in the pretreatment (pale brown) layer.

Calibration gas generation

Permeation tube method