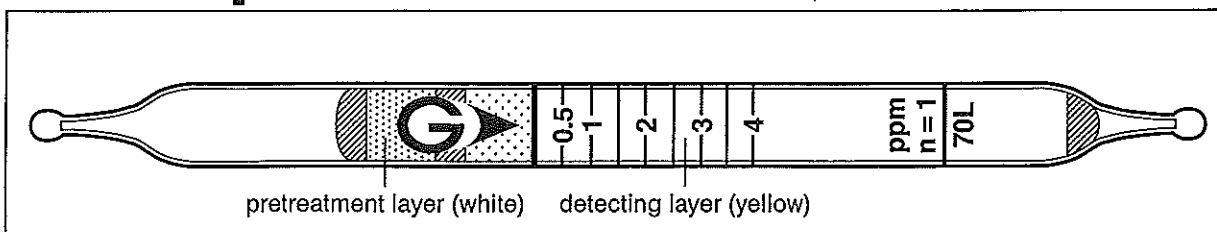


Mercaptans R-SH

No.70L



Performance

Measuring range	0.1 to 0.2	0.2 to 0.5	0.5 to 4 ppm	4 to 8 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	0.2	0.4	1	2
Sampling time	6 min	3 min	1.5 min	45 sec

Detecting limit : 0.05 ppm (4 pump strokes)

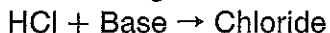
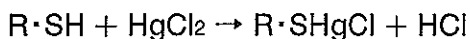
Colour change : Yellow → Red

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 0.5 to 1 ppm), 5 % (for 1 to 4 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
Acid gases		+	Red
Hydrogen sulphide	≤ 200 ppm	No	No

Up to 200 ppm of hydrogen sulphide is trapped in the pretreatment (white) layer.

Substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Butyl mercaptan	Factor : 1.6	} 1/2, 1, 2, or 4	0.16 to 12.8 ppm
tert-Butyl mercaptan	Factor : 1.0		0.1 to 8 ppm
Ethyl mercaptan	Factor : 1.0		0.1 to 8 ppm
Methyl mercaptan	Factor : 1.0		0.1 to 8 ppm
Propyl mercaptan	Factor : 1.2		0.12 to 9.6 ppm

Calibration gas generation

Permeation tube method