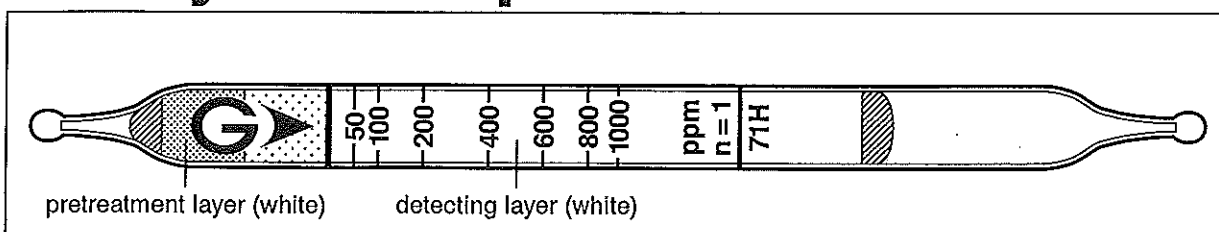


Methyl Mercaptan CH₃SH

No.71H

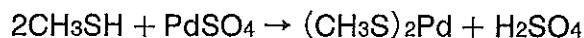


Performance

Measuring range	20 to 50 ppm.	50 to 1000 ppm	1000 to 2700 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	0.4	1	2.7
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 2 ppm (2 pump strokes)
 Colour change : White → Yellow
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 50 to 200 ppm), 5 % (for 200 to 1000 ppm)
 Shelf life : 3 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Mercaptans		+	Yellow
Carbon monoxide		No	} No
Ethylene		No	
Hydrogen sulphide	≥ 1000 ppm	+	
Nitrogen dioxide		No	

Up to 1000 ppm of hydrogen sulphide is trapped in the pretreatment (white) layer.

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Ethyl mercaptan	by scale	1	100 to 3800 ppm

Calibration gas generation

Static gas dilution method