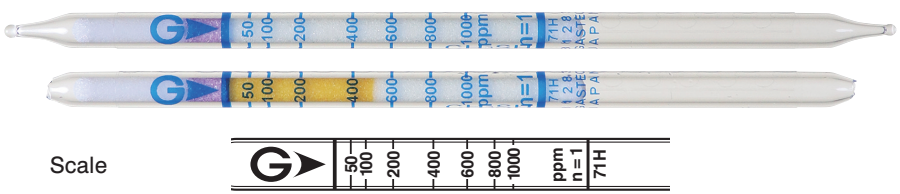
Methyl Mercaptan CH_3SH No.71H



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
Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction not used
Relative humidity 0 to 90 % correction not used
Relative standard deviation : 10 %(for 50 to 200 ppm), 5 %(for 200 to 1000 ppm)
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 36 months

Reaction principle

$2CH_3SH + PdSO_4 \rightarrow (CH_3S)_2Pd + H_2SO_4$

Possible coexisting substances and their interferences

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