



Performance

This detector tube is calibrated with Ethyl mercaptan.

Measuring range	0.5 to 5 ppm	5 to 120 ppm
Number of pump strokes	2 to 10 (200 to 1000 mL)	1 (100 mL)
Correction factor	1/2 to 1/10	1
Sampling time	3 to 15 min	1.5 min

Detecting limit :	0.2 ppm (10 pump strokes)
Colour change :	White → Yellow
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 5 to 40 ppm), 5 % (for 40 to 120 ppm)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene, Ethylene	≧ 2000 ppm	+	} Pale brown (whole layer)
Carbon monoxide	≧ 2000 ppm	+	
Hydrogen sulphide	≧ 500 ppm	+	No

Up to 500 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
Ethyl mercaptan	Factor : 1.0	1 to 10	0.5 to 120 ppm
Isopropyl mercaptan	Factor : 2.0	1	10 to 240 ppm
Methyl mercaptan	Factor : 0.7	1 to 10	0.35 to 84 ppm
Propyl mercaptan	Factor : 4.5	1	22.5 to 540 ppm

Calibration gas generation

Diffusion tube method