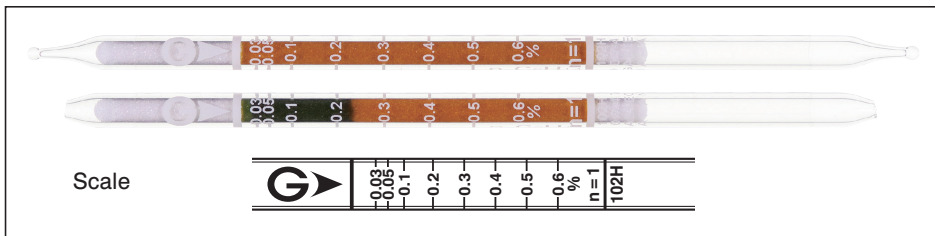


Hexane $\text{CH}_3(\text{CH}_2)_4\text{CH}_3$

No. 102H



Performance

Measuring range	0.015 to 0.03 %	0.03 to 0.6 %	0.6 to 1.2 %
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2	1	2
Sampling time	1.5 min	45 sec	30 sec

Detecting limit :	0.003 % (2 pump strokes)
Colour change :	Yellowish brown → Greenish brown
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 0.03 to 0.2 %), 5 % (for 0.2 to 0.6 %)
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	≧ 3 %	+	} Greenish brown (whole layer)
Propane	≧ 0.2 %	+	
Alcohols, Esters, Ethers		+	
Aromatic hydrocarbons	≧ 500 ppm	+	} Greenish brown
Halogenated hydrocarbons	≧ 5000 ppm	+	
Hydrogen sulphide	≧ 500 ppm	+	} Green
Sulphur dioxide	≧ 500 ppm	+	

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Cyclohexane	Factor : 2	1/2	0.6 to 1.2 %
	Factor : 1	1	0.03 to 0.6 %
	Factor : 0.5	2	0.015 to 0.03 %
Methylcyclohexane	Factor : 1.4	1	0.04 to 0.84 %

Calibration gas generation

Diffusion tube method