



Performance

This detector tube is calibrated with n-Heptane.

Measuring range	30 to 1000 ppm	1000 to 2000 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)
Correction factor	1	2
Sampling time	4 min	2 min

Detecting limit : 5 ppm (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 30 to 300 ppm), 5 % (for 300 to 1000 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
Alcohols		+	Greenish brown
Aromatic hydrocarbons		+	
Esters, Ethers		+	
Organic solvents ($\geq \text{C}_3$)		+	
Sulphur dioxide		+	
Acetylene		+	Blackish brown
Hydrogen sulphide		+	

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Allyl chloride	Factor : 34	1/2	0.1 to 3.4 %
Heptane	Factor : 2	1	1000 to 2000 ppm
	Factor : 1	2	30 to 1000 ppm
Isobutene	Factor : 22	1	0.07 to 2.2 %

Calibration gas generation

Diffusion tube method