



Performance

Measuring Range	100 to 200 ppm	200 to 3000 ppm
Number of Pump Strokes	2	1
Correction Factor	1/2	1
Sampling Time	1.5 minutes per pump stroke	
Detecting Limit	20 ppm (n=2)	
Colour Change	White → Blackish brown	
Reaction Principle	Higher class hydrocarbons reduce iodine pentoxide to liberate iodine to produce blackish brown in colour.	
Coefficient of Variation	10% (for 200 to 1000 ppm), 5% (for 1000 to 3000 ppm)	
Shelf Life	3 Years	
Corrections for temperature & humidity	Unnecessary	
Store the tubes at cool and dark place.		

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Acetylene, Ethylene	≥0.1%	Plus error	Produce blackish brown
Carbon monoxide	≥0.1%	Plus error	Produce blackish brown
Other organic solvents	-	Plus error	Produce blackish brown

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Decane	2.0	1 or 2	200 to 6000 ppm
Heptane	0.9	1 or 2	90 to 2700 ppm
Hexane	0.8	1 or 2	80 to 2400 ppm
Nonane	1.3	1 or 2	130 to 3900 ppm
Octane	1.0	1 or 2	100 to 3000 ppm

Calibration gas generation Vapour pressure method

TLV-TWA	TLV-STEL	Explosive range
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