

**Performance**

Measuring Range	0.05 to 0.1%	0.1 to 1.2%	1.2 to 2.4%
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	2 minutes per pump stroke		
Detecting Limit	0.01% (n=2)		
Colour Change	Yellowish brown → Greenish brown		
Reaction Principle	Lower class hydrocarbons reduce chromic acid to produce greenish brown in colour.		
Coefficient of Variation	10% (for 0.1 to 1.2 %)		
Shelf Life	2 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
Carbon monoxide	-	No effect	No discoloration
Methane, Ethane	-	No effect	No discoloration
Organic solvents	-	Plus error	Produce greenish brown stain

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Acetylene	1.5	1/2, 1, 2	0.075 to 3.6%
Butane, Heptane, Isobutane	0.7	1/2, 1, 2	0.035 to 1.68%
Ethylene	7.0	1/2, 1, 2	0.35 to 16.8%
Hexane	0.5	1/2, 1, 2	0.025 to 1.2%
Isopentane	0.9	1/2, 1, 2	0.045 to 2.16%
Pentane	0.75	1/2, 1, 2	0.0375 to 1.8%
Propane	1.0	1/2, 1, 2	0.05 to 2.4%

Calibration gas generation High pressure gas cylinder method

TLV-TWA	TLV-STEL	Explosive range
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Special Note

9 detector tubes and 1 SO₃ filter tube are contained in one box. SO₃ filter tube can be reused for up to 9 times