



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	2 min	1 min	30 sec

Detecting limit : 0.003 % (2 pump strokes)
 Colour change : Yellowish brown → Greenish brown
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 0.03 to 0.1 %), 5 % (for 0.1 to 0.6 %)
 Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene	≧ 3 %		} Blackish brown (whole layer)
Propane	≧ 0.2 %		
Aromatic hydrocarbons	≧ 500 ppm	+	} Greenish brown
Alcohols, Esters, Ethers		+	
Halogenated hydrocarbons	≧ 5000 ppm	+	
Hydrogen sulphide	≧ 500 ppm	+	
Sulphur dioxide	≧ 500 ppm	+	Green

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Heptane	Factor : 2	1/2	0.6 to 1.2 %
	Factor : 1.0	1	0.03 to 0.6 %
	Factor : 0.5	2	0.015 to 0.03 %
Isooctane	Factor : 0.9	1	0.027 to 0.54 %
Octane	Factor : 1.2	1	0.036 to 0.72 %

Calibration gas generation

Static gas dilution method