



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 : Orange → Dark green
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 0.03 to 0.2 %), 5 % (for 0.2 to 0.6 %)
 Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene	$\geq 3 \%$	+	Dark green (whole layer)
Propane	$\geq 0.2 \%$	+	
Alcohols, Esters, Ethers		+	Dark green
Aromatic hydrocarbons	$\geq 500 \text{ ppm}$	+	
Halogenated hydrocarbons	$\geq 5000 \text{ ppm}$	+	
Hydrogen sulphide	$\geq 500 \text{ ppm}$	+	
Sulphur dioxide	$\geq 500 \text{ ppm}$	+	Green

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

Static gas dilution method