



Performance

Measuring range	1 to 2 ppm	2 to 50 ppm	50 to 100 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)	1 (100 ml)
Correction factor	1/2	1	2
Sampling time	6 min	3 min	1.5 min

Detecting limit : 0.5 ppm (4 pump strokes)
 Colour change : White → Brown
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 2 to 20 ppm) , 5 % (for 20 to 50 ppm)
 Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Aromatic hydrocarbons		+	Brown
Acetylene, Ethylen, Hexane		No	} No
Alcohols, Esters, Ketones		No	

Water vapour is trapped in the pretreatment (pale brown) layer.

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Cumene	by scale	2	2 to 100 ppm
Diethyl benzene	by scale	4	2 to 150 ppm
Ethyl benzene	by scale	2	1 to 70 ppm
Xylene	Factor : 4	1	100 to 200 ppm
	Factor : 2	2	4 to 100 ppm
	Factor : 1	4	2 to 4 ppm

Calibration gas generation

Diffusion tube method