

Performance

Measuring range	5 to 10 ppm	(10) to 300 ppm	300 to 690 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2.3
Sampling time	3 min	1.5 min	1 min

Detecting limit : 1 ppm (2 pump strokes)

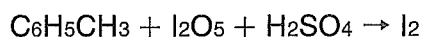
Colour change : White → Brown

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 10 to 100 ppm), 5 % (for 100 to 300 ppm)

Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Xylene	$\geq 1/5$	+	Brown
Acetylene	≥ 2000 ppm	} No (Two layers)	} Pale brown
Carbon monoxide	≥ 1000 ppm		
Hexane	≥ 2000 ppm		
Benzene	$\geq 1/5$	+	Pale yellow

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Ethyl benzene	Factor : 1.1	1	11 to 330 ppm

Calibration gas generation

Diffusion tube method