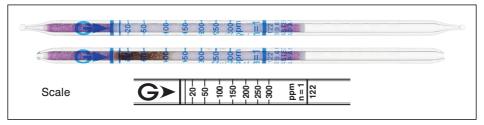
Toluene C6H5CH3



Performance The minimum scale value (10ppm) is not printed on the tube, but only the scale line is printed.

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

Operating conditions: Temperature 0 to 40 °C (32 to 104 °F) correction not used

Relative humidity 0 to 90 % correction not used

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

Tube quantity and number of tests per box: 10 tubes for 10 tests

Shelf life: 36 months

Reaction principle

 $C_6H_5CH_3 + I_2O_5 + H_2SO_4 \rightarrow I_2$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Xylene	≥ 1/5	+	Brown
Acetylene Carbon monoxide Hexane	≥ 2000 ppm ≥ 1000 ppm ≥ 2000 ppm		Pale brown (whole layer)
Benzene	≥ 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