Scale

Performance

When used, these tubes are to be connected.

Measuring range	2 to 80 ppm
Sampling rate	100 mL/min （1000 mL）
Correction factor	1
Sampling time	10 min

Detecting limit :	1 ppm （1000 mL）
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 2 to 20 ppm）, 5 % （for 20 to 80 ppm）
Tube quantity and number of tests per box :	10 tubes for 5 tests
Shelf life :	36 months

Reaction principle

$$C_6H_5CH_3 + I_2O_5 + H_2SO_4 → I_2$$

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Alcohols	200 ppm	No	No
Ethy benzene	5 ppm	+	Brown
Xylene	10 ppm	+	Brown
Ethyl acetate	200 ppm	No	No
Aliphatic hydrocarbons	100 ppm	No	No
Organochlorine hydrocarbons	150 ppm	+	No

Calibration gas generation

Diffusion tube method