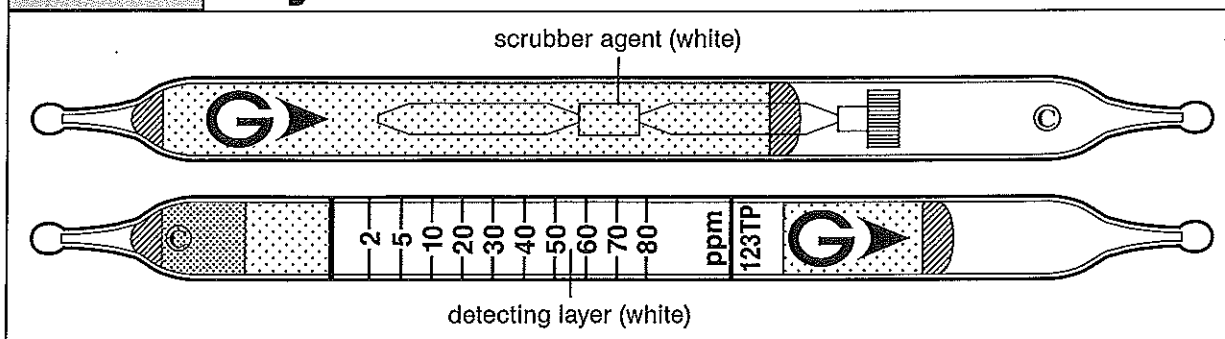


Detector tube

Xylene $C_6H_4(CH_3)_2$

No. 123TP

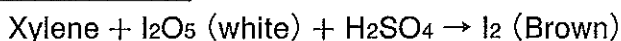


Performance

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
 Corrections for temperature : Unnecessary for 0 to 40°C
 Corrections for humidity : Unnecessary for R.H. 0 to 90 %
 Relative standard deviation : 10 % (for 2 to 20 ppm), 5 % (for 20 to 80 ppm)
 Shelf life : 2 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Carbon monoxide	≧ 75 ppm	Unclear demarcation	Brown (when 50 ppm or higher)
Ethyl benzene	≧ 1/3	+	Brown
Ethyl acetate	≧ 400 ppm	No	No
Dichloro methane	≧ 30 ppm	No	No
N,N,dimethylformamide	≧ 25 ppm	No	No
Trichloroethylene	≧ 1/2	+	No
Toluene	≧ 1/3	+	Brown
n-Hexane	≧ 200 ppm	Unclear demarcation	No
Methanol	≧ 200 ppm	No	No

Calibration gas generation

Diffusion tube method

TLV-TWA : 100 ppm

TLV-STEL : 150 ppm

Explosive range : 1.0 to 7.0 %