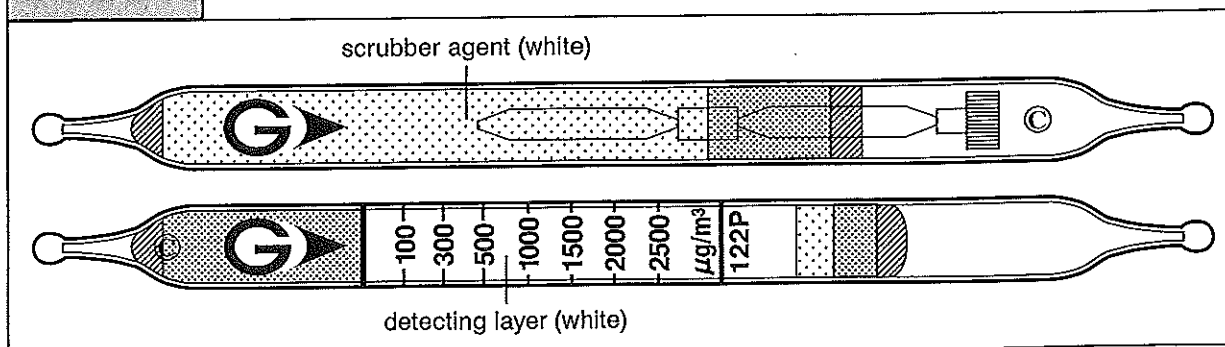


Detector tube

Toluene C₆H₅CH₃

No. 122P



Performance

Measuring range	100 to 2500 µg/m ³	2500 to 7000 µg/m ³
Sampling Rate	200 ml/min (6000 ml)	200 ml/min (2000 ml)
Correction factor	1	2.8
Sampling time	30 min	10 min

Detecting limit : 50 µg/m³
 Colour change : White → Pale brown
 Corrections for temperature : Unnecessary for 5 to 35°C
 Corrections for humidity : Unnecessary for R.H. 0 to 80 %
 Relative standard deviation : 10 % (for 100 to 500 µg/m³), 5 % (for 500 to 2500 µg/m³)
 Shelf life : 2 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Ethanol		No	No
p-Dichlorobenzene		No	No
Alpha pinen		No	No
n-Hexane		No	No
Formaldehyde	≦ 1/3	No	No
Xylene, Styrene	≧ 1000 µg/m ³	+	} Pale brown
Aromatic hydrocarbons		+	

Other substances measurable with this detector tube

Substance	Correction	Sampling Correction	Measuring range
Ethyl benzene	Factor : 1.1	200 ml/min × 30 min	110 to 2750 µg/m ³
p-Xylene	Factor : 5.4	200 ml/min × 30 min	540 to 13500 µg/m ³

Calibration gas generation

Permeation tube method

TLV-TWA : 20 ppm

Explosive range : 1.4 to 6.7 %