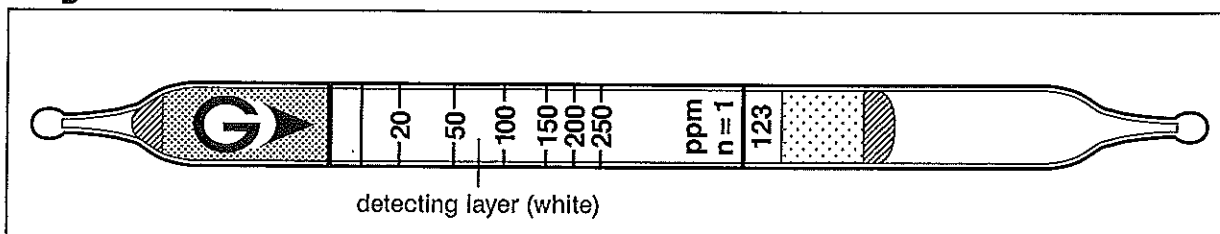


# Xylene $C_6H_4(CH_3)_2$

No.123



## Performance

Measuring range	5 to 10 ppm	(10) to 250 ppm	250 to 625 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1	2.5
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 50 ppm), 5 % (for 50 to 250 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
Toluene	$\geq 1/5$	+	Brown
Acetylene, Hexane	$\leq 2000$ ppm	No (Two layers)	} Pale brown (Whole layer)
Carbon monoxide	$\leq 1000$ ppm	No (Two layers)	
Benzene	$\geq 1/5$	+	Pale yellow

## Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Trimethylbenzene	by scale	2	10 to 300 ppm

## Calibration gas generation

Diffusion tube method