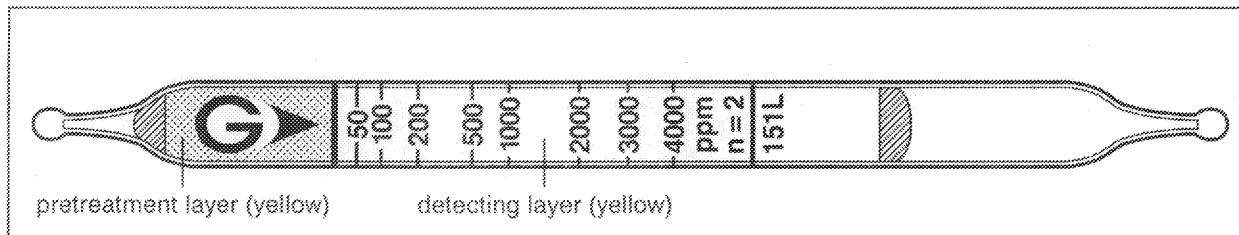


Acetone CH_3COCH_3

No. 151L



Performance

Measuring range	50 to 4000 ppm	4000 to 12000 ppm
Number of pump strokes	2 (200 ml)	1 (100 ml)
Correction factor	1	3
Sampling time	4 min	2 min

Detecting limit : 5 ppm (2 pump strokes)

Colour change : Yellow → Red

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 15 % (for 50 to 500 ppm), 10 % (for 500 to 4000 ppm)

Shelf life : 2 years (in the refrigerator)

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Acetaldehyde	$\geq 1/10$	+	Red
Acrolein	$\geq 1/10$	+	
Methyl ethyl ketone		+	
Methyl isobutyl Ketone		+	
Aromatic hydrocarbons		No	No

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Methyl ethyl ketone	Factor : 0.42	5	21 to 1680 ppm
Propionaldehyde	Factor : 0.47	2	24 to 1880 ppm

Calibration gas generation

Diffusion tube method