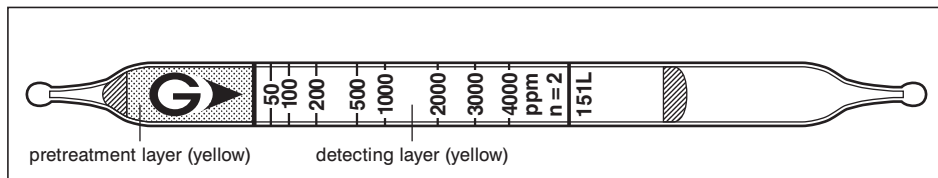


# Acetone $\text{CH}_3\text{COCH}_3$

# No.151L

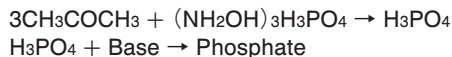


## Performance

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

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