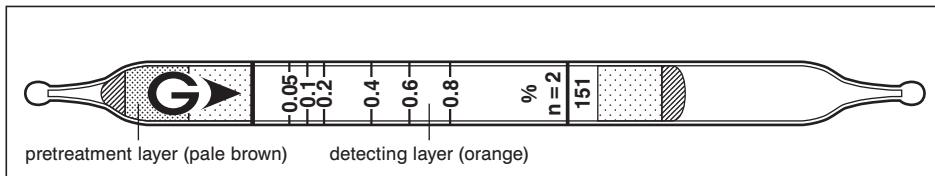


Acetone CH₃COCH₃

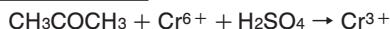
No. 151



Performance

Measuring range	0.05 to 0.8 %	0.8 to 2.0 %
Number of pump strokes	2 (200 ml)	1 (100 ml)
Correction factor	1	2.5
Sampling time	3 min	1.5 min
Detecting limit :	0.003 % (2 pump strokes)	
Colour change :	Orange → Dark green	
Corrections for temperature & humidity :	Temperature correction is necessary.	
Relative standard deviation :	10 % (for 0.05 to 0.2 %), 5 % (for 0.2 to 0.8 %)	
Shelf life :	3 years	

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Propane	≥ 0.2%	Cannot use	Dark green (whole layer) (≥ 0.2 %)
Aromatic hydrocarbons	≥ 500 ppm	+	Dark green (≥ 500 ppm)
Hydrogen sulphide	≥ 500 ppm	+	
Alcohols, Esters, Ketones		+	Dark green
Sulphur dioxide	≥ 500 ppm	+	Green (≥ 500 ppm)

Water vapour is trapped in the pretreatment (pale brown) layer.

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Cyclohexene	Factor : 1.0	1	0.05 to 0.8%

Calibration gas generation

Static gas dilution method