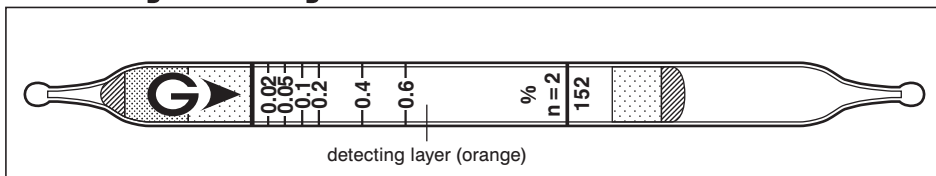


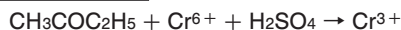
# Methyl Ethyl Ketone $\text{CH}_3\text{COC}_2\text{H}_5$ No.152



## Performance

Measuring range	0.02 to 0.6 %
Number of pump strokes	2 (200 ml)
Correction factor	1
Sampling time	3 min
Detecting limit :	0.002 % (2 pump strokes)
Colour change :	Orange → Dark green
Corrections for temperature & humidity :	Temperature correction is necessary.
Relative standard deviation :	10 % (for 0.02 to 0.2 %), 5 % (for 0.2 to 0.6 %)
Shelf life :	3 years

## Reaction principle



## Possible coexisting substances and their interferences

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

## Calibration gas generation

Static gas dilution method