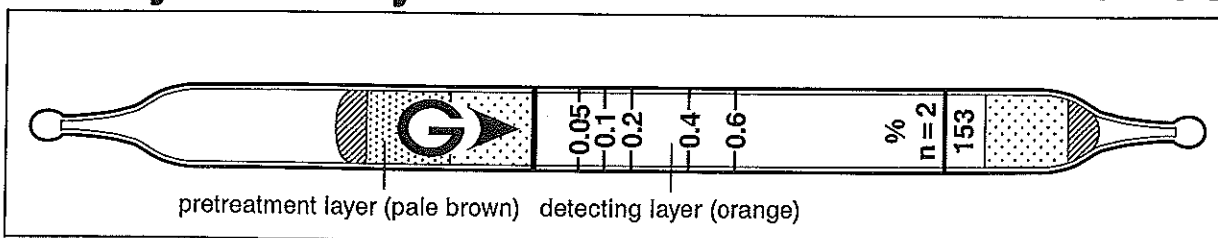


Methyl Isobutyl Ketone $(CH_3)_2CHCH_2COCH_3$ No.153

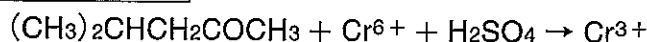


Performance

Measuring range	0.05 to 0.6 %
Number of pump strokes	2 (200 ml)
Correction factor	1
Sampling time	1.5 min

Detecting limit : 0.001 % (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 %), 10 % (for 0.2 to 0.6 %)
 Shelf life : 3 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Propane	≥ 2000 ppm	+	Dark green (whole layer)
Alcohols, Esters, Ketones		+	
Aromatic hydrocarbons	≥ 500 ppm	+	Dark green
Hydrogen sulphide	≥ 500 ppm	+	
Sulphur dioxide	≥ 500 ppm	+	Green

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
Styrene	Factor : 1.5	1	0.075 to 0.9 %

Calibration gas generation

Static gas dilution method