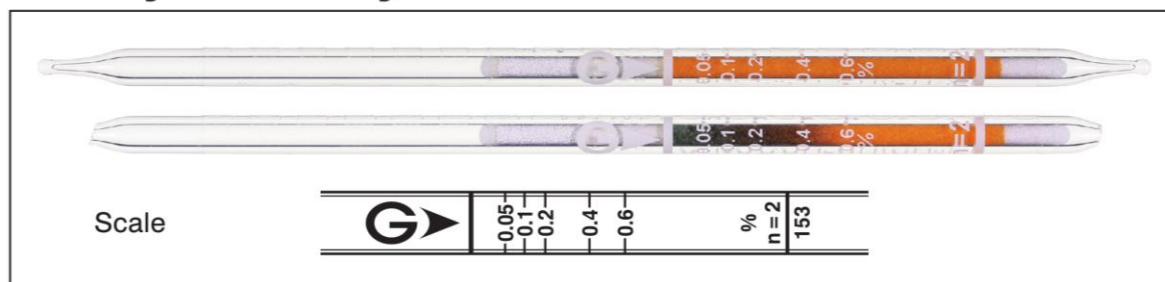




Methyl Isobutyl Ketone

Part No.:153

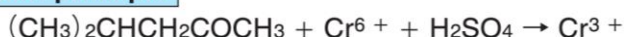
Methyl Isobutyl Ketone $(CH_3)_2CHCH_2COCH_3$ No.153



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 :	0.005 % (2 pump strokes)
Colour change :	Orange → Greenish brown
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 0.05 to 0.6 %)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Propane	$\geq 0.2 \%$	Cannot use	Pale brown (whole layer) ($\geq 0.2 \%$)
Alcohols, Esters, Ketones		+	Greenish brown
Toluene	≥ 25 ppm	Two layers (Greenish brown & Pale brown)	Pale brown (≥ 15 ppm)
Hydrogen sulphide	≥ 100 ppm		Greenish brown (≥ 25 ppm)
Sulphur dioxide	≥ 100 ppm		Brown (≥ 50 ppm)

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Styrene	by scale	2	0.15 to 2.3 %

Calibration gas generation

Static gas dilution method