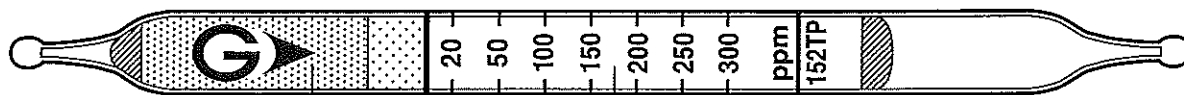


Detector tube

Methyl ethyl ketone $\text{CH}_3\text{COC}_2\text{H}_5$ No.152TP



humidity scrubber (white) detecting layer (yellow)

Performance

Measuring range	20 to 300 ppm
Sampling Rate	100 ml/min (1000 ml)
Correction factor	1
Sampling time	10 min

Detecting limit : 5 ppm (1000 ml)

Colour change : Yellow → Red

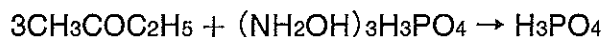
Corrections for temperature : Necessary for 0 to 40°C

Corrections for humidity : Unnecessary for R.H. 0 to 90 %.

Relative standard deviation : 10 % (for 20 to 100 ppm), 5 % (for 100 to 300 ppm)

Shelf life : 2 years (in the refrigerator)

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Ammonia		No	No
Aldehydes		+	Red
Ketones		+	Red
Acetic acid	≤ 50ppm	No	Purple at 70ppm
Ethyl acetate		+	No
Diethyl ether	≤ 150ppm	No	No
Trichloroethylene		No	No
Toluene		No	No
Hexane		No	No
Benzene		No	No
Methanol	≤ 150ppm	No	No

Calibration gas generation

Diffusion tube method

TLV-TWA : 200 ppm

TLV-STEL : 300 ppm

Explosive range : 1.7 to 11.4 %