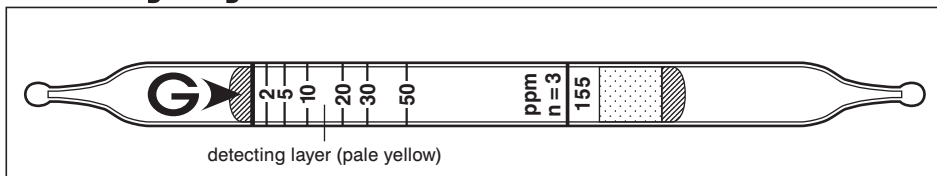


Methylcyclohexanone $C_7H_{12}O$ No.155

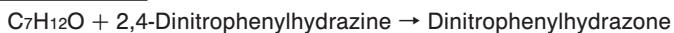


Performance

Measuring range	2 to 50 ppm	50 to 100 ppm
Number of pump strokes	3 (300 ml)	2 (200 ml)
Correction factor	1	2
Sampling time	9 min	6 min

Detecting limit : 0.2 ppm (3 pump strokes)
 Colour change : Pale yellow → Yellow
 Corrections for temperature & humidity : Temperature correction is necessary.
 Relative standard deviation : 15 % (for 2 to 10 ppm), 10 % (for 10 to 50 ppm)
 Shelf life : 2 years (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Ketones		+	Yellow

Calibration gas generation

Diffusion tube method