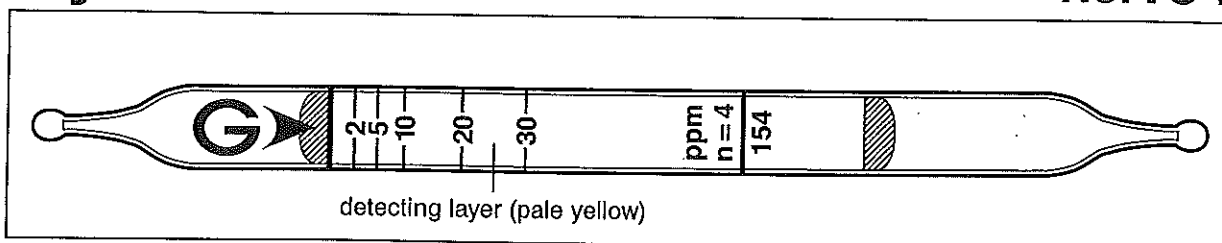


Cyclohexanone $C_6H_{10}O$

No. 154



Performance

Measuring range	2 to 30 ppm	30 to 75 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)
Correction factor	1	2.5
Sampling time	12 min	6 min

Detecting limit : 0.2 ppm (4 pump strokes)

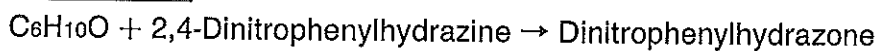
Colour change : Pale yellow → Yellow

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 2 to 10 ppm), 5 % (10 to 30 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
Ketones		+	Yellow

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Diacetone alcohol	by scale	2	2.5 to 100 ppm
Furfural	Factor : 1.0	4	2 to 30 ppm
Isophorone	Factor : 1.0	8	2 to 30 ppm

Calibration gas generation

Diffusion tube method