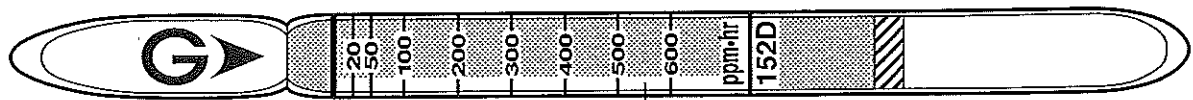


Dosi-tube

Methyl Ethyl Ketone $\text{CH}_3\text{COC}_2\text{H}_5$ No.152D

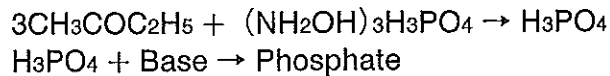


detecting layer (yellow)

Performance

Measuring range :	2 to 600 ppm
Sampling time :	1 to 10 hours
Colour change :	Yellow → Reddish brown
Corrections for temperature & humidity :	Temperature correction is necessary:
Relative standard deviation :	10 % (for 20 to 600 ppm·hr)
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
Aldehydes, Ketones		+	Reddish brown
Acid gases		+	Reddish brown (Unclear demarcation)

Other substances measurable with this Dosi-tube

Substance	Correction	Sampling time	Measuring range
Acetaldehyde	Factor : 0.6	} 1 to 10 hours	1.2 to 360 ppm
Acetone	Factor : 0.7		1.4 to 420 ppm
Methylisobutylketone	Factor : 2.0		4 to 1200 ppm

Calibration gas generation

Diffusion tube method

TLV-TWA : 200 ppm

TLV-STEL : 300 ppm

Explosive range : 1.7 to 11.4 %