

**Performance**

Measuring Range	2 to 30 ppm	30 to 75 ppm
Number of Pump Strokes	4	2
Correction Factor	1	2.5
Sampling Time	2 minutes per pump stroke	
Detecting Limit	0.2 ppm (n=4)	
Colour Change	Pale Yellow → Yellow	
Reaction Principle	Cyclohexanone reacts with 2,4-dinitrophenylhydrazine to form dinitrophenylhydrazone to produce yellow in colour.	
Coefficient of Variation	10% (for 2 to 10 ppm), 5% (for 10 to 30 ppm)	
Shelf Life	2 Years	
Corrections for temperature & humidity	Temperature correction is necessary	
<b>Store the tubes in the refrigerator to keep at 10°C (50°F) or below.</b>		

**Possible coexisting substances and their interferences**

Substance	Concentration	Interference	Change colour by itself
Ketones	-	Plus error	Produce yellow stain

**Other substance measurable with this detector tube**

Substance	Correction Factor	Pump Strokes	Measuring Range
Furfural	1.0	4	2 to 30 ppm
Diacetone alcohol	by scale	2	2.5 to 100 ppm
Isophorone	1.0	8	2 to 30 ppm

**Calibration gas generation** Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
20ppm	25ppm	1.1 to 9.4%