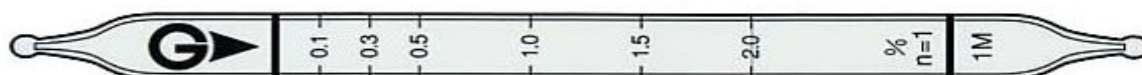


Carbon monoxide CO

NO.1M



Performance

Measuring Range	0.05 to 0.1%	0.1 to 2.0%	2.0 to 4.0%
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	1.5 minutes per pump stroke		
Detecting Limit	0.01% (n=2)		
Colour Change	White → Pale brown		
Reaction Principle	Carbon monoxide reduces iodine pentoxide to liberate iodine, which is blackish brown.		
Coefficient of Variation	10% (for 0.1 to 0.5 %), 5% (for 0.5 to 2 %)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Acetylene	$\geq 0.1\%$	Plus error	Produce brown stain.
Olefins	$\geq 2/3$ time	Plus error	Produce brown stain.
Butane	$\geq 0.3\%$	Plus error	Produce pale brown for whole layer
Propane	$\geq 10\%$	Plus error	Produce pale brown for whole layer
Hexane	$\geq 0.1\%$	Plus error	Produce pale brown stain

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Gasoline	1	1	0.1 to 2%

Calibration gas generation High pressure gas cylinder method

TLV-TWA	TLV-STEL	Explosive range
25ppm	-	12.5 to 74%