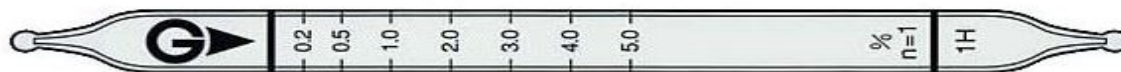


Carbon monoxide

CO

No.1H



Performance

Measuring Range	0.1 to 0.2%	0.2 to 5.0%	5.0 to 10.0%
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	1.5 minutes per pump stroke		
Detecting Limit	0.02% (n=2)		
Colour Change	White → Blackish brown		
Reaction Principle	Carbon monoxide reduces iodine pentoxide to liberate iodine, which is blackish brown.		
Coefficient of Variation	10% (for 0.2 to 1.0 %), 5% (for 1.0 to 5.0 %)		
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	≥0.3%	Plus error	Produce blackish brown stain.
Olefins	≥2/3	Plus error	Produce brown stain.
Butane	≥1%	Plus error	Produce brown stain.
Propane	≥20%	Plus error	No discoloration
Hexane	≥0.3%	Plus error	Produce pale brown for whole layer

Calibration gas generation High pressure gas cylinder method

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