

**Performance**

Measuring Range	1 to 2%	2 to 50%
Number of Pump Strokes	1	1/2
Correction Factor	1/2	1
Sampling Time	1 minute per 1/2 pump stroke	
Detecting Limit	0.5% (n=1)	
Colour Change	White → Blackish brown	
Reaction Principle	Carbon monoxide reacts with iodine pentoxide to produce blackish brown stain.	
Coefficient of Variation	10% (for 2 to 15 %), 5% (for 15 to 40 %)	
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	$\geq 0.2\%$	Plus error	Produce dark brown
Olefines (Ethylene, Propylene)	$\geq 2/3$	Plus error	Produce brown stain
Butane	$\geq 1\%$	Plus error	Produce pale brown for whole layer
Propane	$\geq 20\%$	Plus error	

Calibration gas generation High pressure gas cylinder method

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