

**Performance**

Measuring Range	3 to 6%	6 to 24%
Number of Pump Strokes	1	1/2
Correction Factor	1/2	1
Sampling Time	2 minutes per pump stroke	
Detecting Limit	2% (n=1)	
Colour Change	Black → White	
Reaction Principle	$O_2 + 4TiCl_3 + 6H_2O \longrightarrow 4TiO_2 + 12HCl$	
Coefficient of Variation	5% (for 6 to 24 %)	
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
Carbon monoxide	-	No effect	No discoloration
Carbon dioxide	≥40%	Plus error	No discoloration
Hydrogen Sulphide	-	No effect	No discoloration
Nitrogen dioxide	-	No effect	No discoloration
Sulphur dioxide	-	No effect	No discoloration

Calibration gas generation Dynamic gas dilution method

TLV to TWA	TLV to STEL	Explosive range
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Special note

If more than 40% carbon dioxide is coexisted, the tube reading will be 1% higher than the true concentration. (at 21% oxygen concentration tube 31B indicates 22%)