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## Gastec Tube Datasheet

**Carbon Monoxide** CO

**NO.GAS1D**



### Performance

<b>Measuring Range</b>	1.04 to 2000ppm
<b>Sampling Hours</b>	0.5 to 48 hours
<b>Detecting Limit</b>	2ppm (10 hours)
<b>Colour Change</b>	Pale Yellow → Brown
<b>Reaction Principle</b>	Carbon Monoxide reduces sodium palladosulfite to liberate metallic palladium, which produces a brown stain. $CO + Na_2Pd(SO_3)_2 \longrightarrow Pd + CO_2 + SO_2 + Na_2SO_3$
<b>Coefficient of Variation</b>	10% (for 50 to 1000ppm·hr)
<b>Shelf Life</b>	Up to 2 Years
<b>Corrections for temperature &amp; humidity</b>	Unnecessary
<b>Store the tubes at cool and dark place.</b>	

### Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Nitrogen dioxide	≥5ppm	Minus error	No discoloration by itself
Chlorine	-	No effect	No discoloration by itself
Hydrogen sulphide	-	Plus error	Discolours reddish brown

### Calibration gas generation

High pressure gas cylinder method

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