



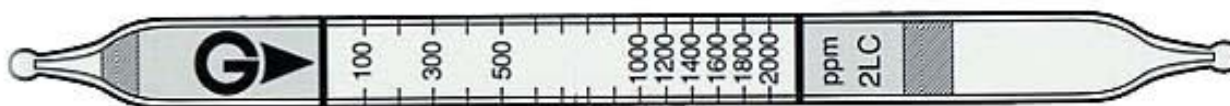
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## Gastec Tube Datasheet

**Carbon Dioxide**

CO<sub>2</sub>

**NO.GAS2LC**



### Performance

<b>Measuring Range</b>	100 to 2000 ppm	2000 to 4000 ppm
<b>Number of Pump Strokes</b>	1	1/2
<b>Correction Factor</b>	1	2
<b>Sampling Time</b>	2 minutes per pump stroke	
<b>Detecting Limit</b>	20 ppm (n=1)	
<b>Colour Change</b>	Yellow → Orange	
<b>Reaction Principle</b>	$\text{CO}_2 + 2\text{KOH} \rightarrow \text{K}_2\text{CO}_3 + \text{H}_2\text{O}$	
<b>Coefficient of Variation</b>	10% (for 100 to 600 ppm), 5% (for 700 to 2000 ppm)	
<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
Ammonia	≤1000 ppm	No effect	No discoloration
Hydrogen Chloride	≤500 ppm	No effect	No discoloration
Chlorine	≤20 ppm	No effect	No discoloration
HCN, H <sub>2</sub> S	≤100 ppm	No effect	No discoloration
Sulphur Dioxide	≤25 ppm	No effect	No discoloration
Nitrogen Dioxide	≤20 ppm	No effect	No discoloration

**Calibration gas generation** High pressure gas cylinder method

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