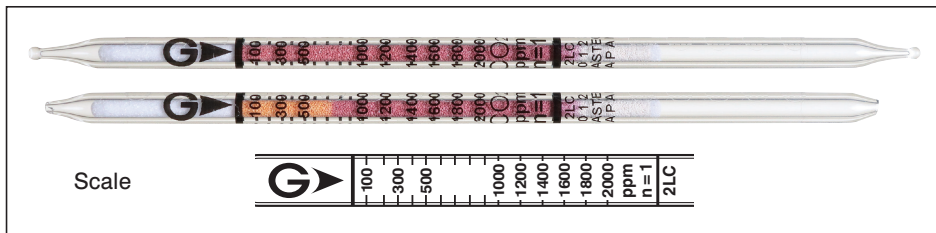


# Carbon Dioxide CO<sub>2</sub>

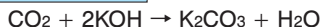
No.2LC



## Performance

Measuring range	100 to 2000 ppm	2000 to 4000 ppm
Number of pump strokes	1 (100 mL)	1/2 (50 mL)
Correction factor	1	2
Sampling time	2 min	1 min
Detecting limit :	20 ppm (1 pump stroke)	
Colour change :	Pale vermilion → Orange	
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used	
Relative standard deviation :	10 % (for 100 to 600 ppm) , 5 % (for 600 to 2000 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	24 months	

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration:	Interference	Changes colour by itself to
Ammonia	≦ 1000 ppm	No	No ( ≦ 1000 ppm)
Hydrogen chloride	≦ 500 ppm	No	No ( ≦ 500 ppm)
Chlorine	≦ 20 ppm	No	No ( ≦ 10 ppm)
Hydrogen cyanide	≦ 100 ppm	No	No ( ≦ 50 ppm)
Hydrogen sulphide	≦ 100 ppm	No	No ( ≦ 50 ppm)
Sulphur dioxide	≦ 25 ppm	No	No ( ≦ 25 ppm)
Nitrogen dioxide	≦ 20 ppm	No	No ( ≦ 20 ppm)

## Calibration gas generation

High pressure gas cylinder method