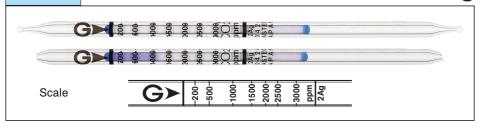
Airtec

Carbon Dioxide CO2

No.2Ag



Performance

Measuring range	200 to 3000 ppm	
Sampling rate	100 mL/min(150 mL)	
Correction factor	1	
Sampling time	1.5 min	

Detecting limit: 25 ppm

Colour change : Pale blue → Purple

Operating conditions : Temperature 0 to 40 $^{\circ}$ C (32 to 104 $^{\circ}$ F) correction not used Relative humidity 0 to 90 $^{\circ}$ C correction not used

Relative standard deviation: 10 % (for 200 to 1000 ppm), 5 % (for 1000 to 3000 ppm)

Tube quantity and number of tests per box: 10 tubes for 10 tests

Shelf life: 36 months

Reaction principle

 $CO_2 + N_2H_4 \rightarrow NH_2NHCOOH$

Possible coexisting substances and their interferences

Substance	Concentration	Interference
Ammonia	≦ 1000 ppm)
Chlorine	≦ 300 ppm	
Hydrogen chloride	≦ 300 ppm	No
Nitrogen oxides	≦ 300 ppm	
Sulphur dioxide	≦ 100 ppm	J

Calibration gas generation

High pressure gas cylinder method