

Performance

Measuring range	250 to 3000 ppm
Sampling rate	100 mL/min(500 mL)
Correction factor	1
Sampling time	5 min

Colour change : Yellowish orange → Yellow

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

Relative humidity 0 to 90 % correction not used

 $\label{eq:Relative standard deviation: 10 \% (for 250 to 1000 ppm), 5 \% (for 1000 to 3000 ppm)} \\$

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

Shelf life: 36 months

Reaction principle

 $CO_2 + 2KOH \rightarrow K_2CO_3 + H_2O$

Calibration gas generation

High pressure gas cylinder method

Special note

Use of the Compressed Breathing Air Measurement Kit Model. No.CG-1

When Airtec tube used with the Model. No.CG-1 kit, make sure to preset the flow rate of the CG-1 device and adjust the sampling time according to the following table. For the measurement procedure, carefully read and follow the instruction manual supplied with the CG-1 kit.

Measuring range	250 to 3000 ppm
Sampling time	5 min
Specified flow rate	190 mL/min(± 10 mL/min)
Correction factor	1