

## Performance

Measuring range	10 to 80 mg/m <sup>3</sup>
Sampling rate	100 mL/min (500 mL)
Correction factor	1
Sampling time	5 min
Colour change :	Yellow → Green
Operating conditions :	May produce "purple" colour at higher concentrations Temperature 0 to 40 °C (32 to 104 °F) correction not used
Relative standard deviatio	n : 5 % (for 20 to 80 mg/m <sup>3</sup> ) ts per box : 10 tubes for 10 tests
Shelf life :	36 months

## Reaction principle

 $H_2O + Mg(CIO_4)_2 \rightarrow Mg(CIO_4)_2 \cdot H_2O$ 

Calibration gas generation

Diffusion tube 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	10 to 80 mg/m <sup>3</sup>
Sampling time	5 min
Specified flow rate	120 mL/min(± 10 mL/min)
Correction factor	1