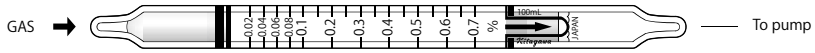
Tube No.
126SG

CARBON DIOXIDE



1. PERFORMANCE

1) Measuring range : 0.02-0.7% 0.04-1.4%
Number of pump strokes 1(100mL) 1/2(50mL)
2) Sampling time : 1.5 minutes/1 pump stroke
3) Detectable limit : 0.001%(10 ppm)(100mL)
4) Shelf life : 2 years
5) Operating temperature : 0～40℃
6) Reading : Direct reading from the scale calibrated by 1 pump stroke
7) Colour change : Pink→Yellow

2. RELATIVE STANDARD DEVIATION

RSD-low：10% RSD-mid.：10% RSD-high：10%

3. CHEMICAL REACTION

By reacting with alkali, PH indicator is discoloured.

$CO_2 + 2NaOH \rightarrow Na_2CO_3 + H_2O$

4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Hydrogen cyanide	Similar stain is produced.	1000	Higher readings are given.
Hydrogen chloride	〃	30	The accuracy of readings is not affected.
Hydrogen sulphide	〃	10	〃
Nitrogen dioxide	〃	5	〃
Sulphur dioxide	〃	100	〃
Chlorine	Original colour is faded to White.	15	〃
Ammonia	The accuracy of readings is not affected.		〃

(NOTE)

In case of 1/2 pump strokes, following formula is available for the actual concentration.
Actual concentration = 2 × Reading value