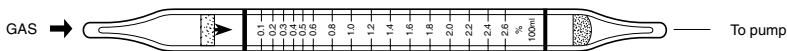


Tube No.
126SA

CARBON DIOXIDE



1. PERFORMANCE

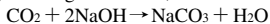
- 1) Measuring range : 0.2-5.2% 0.1-2.6%
Number of pump strokes : 1/2 (50ml) 1 (100ml)
- 2) Sampling time : 5 minutes/1 pump stroke
- 3) Detectable limit : 100 ppm (100ml)
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Pale blue → Pale pink

2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 5% RSD-high : 5%

3. CHEMICAL REACTION

By reacting with alkali, PH indicator is discoloured.



4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Hydrogen sulphide	Similar stain is produced.	100	Higher readings are given.
Chloride	∕	100	∕
Hydrogen cyanide	∕	200	∕
Sulphur dioxide	∕	500	∕

(NOTE)

In case of 1/2 pump strokes, following formula is available for the actual concentration.

Actual concentration = 2 × Temperature corrected value.

TEMPERATURE CORRECTION TABLE

Scale Readings (%)	True Concentration (%)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (104 °F)
3.5	5.5	4.6	3.5	3.2	2.8
3.0	4.7	3.9	3.0	2.7	2.4
2.5	3.9	3.2	2.5	2.2	2.0
2.0	3.1	2.6	2.0	1.8	1.6
1.5	2.4	1.9	1.5	1.4	1.2
1.0	1.6	1.3	1.0	0.9	0.8
0.8	1.3	1.0	0.8	0.7	0.7
0.5	0.8	0.7	0.5	0.5	0.4
0.3	0.5	0.4	0.3	0.3	0.3
0.1	0.2	0.1	0.1	0.1	0.1