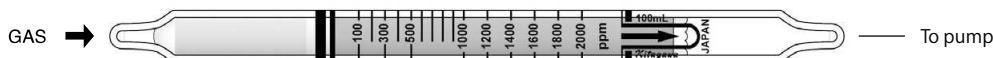


Tube No.
126SF

CARBON DIOXIDE



1. PERFORMANCE

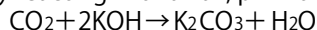
- 1) Measuring range : 200-4000 ppm 100-2000 ppm
- Number of pump strokes : 1/2 (50mL) 1 (100mL)
- 2) Sampling time : 2 minutes / 1 pump stroke
- 3) Detectable limit : 5 ppm (100mL)
- 4) Shelf life : 2 years
- 5) Operating temperature : 0~40°C
- 6) Reading : Direct reading from the scale calibrated by 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.



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 times sensitivity of CO ₂ .
Hydrogen chloride	//	30	The accuracy of readings is not affected.
Hydrogen sulphide	//	10	//
Nitrogen dioxide	//	5	//
Sulphur dioxide	//	100	//
Chlorine	Original reagent colour is bleached out.	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 = Reading value × 2