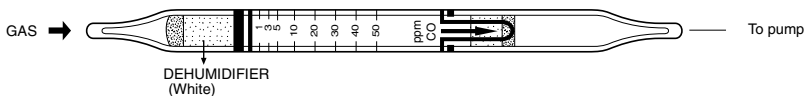


Tube No.  
**106SC**

# CARBON MONOXIDE



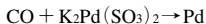
## 1. PERFORMANCE

- |                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| 1) Measuring range          | : 1-50 ppm                                                  |
| Number of pump strokes      | 1 (100mℓ)                                                   |
| 2) Sampling time            | : 4 minutes                                                 |
| 3) Detectable limit         | : 0.5 ppm                                                   |
| 4) Shelf life               | : 1 year                                                    |
| 5) Operating temperature    | : 5 ~ 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            | : Orange → Reddish Purple                                   |

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION



## 4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Sulphur dioxide	Similar stain is produced.	Higher readings are given.
Formic acid	∕	∕
Acetylene	Whole reagent is change to Pale red.	∕
Hydrogen sulphide	Dark reddish purple and red stain are produced.	∕

### TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)								
	5 °C (41 °F)	10 °C (50 °F)	15 °C (59 °F)	20 °C (68 °F)	25 °C (77 °F)	30 °C (86 °F)	35 °C (95 °F)	40 °C (104 °F)	
50	28	40	45	50	55	60	65	70	
40	23	32	36	40	44	48	52	56	
30	17	24	27	30	33	36	39	42	
20	12	16	18	20	22	24	26	28	
10	7	9	10	10	11	12	13	13	
5	4	5	5	5	5	6	6	6	