

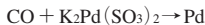
## 1. PERFORMANCE

- 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 : 2 years
- 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.	The maximum end point of the stain is indiscernible and higher readings are given.
Hydrogen sulphide	Dark reddish purple and red stain are produced.	Higher readings are given.
Hydrogen		∕

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