

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Sulphur Dioxide SO<sub>2</sub>

TWA (TLV): 2 ppm

STEL (TLV): 5 ppm

## SSD-2M

Flammable Range: NA

### Specification:

	Extended	Standard	Extended
Measurement Range	0.5 – 12.5	1 - 25 ppm	2 - 50 ppm
No. of Pump Strokes	4 (400 mL)	2 (200 mL)	1 (200 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2
Sampling Time	1.5 minutes per pump stroke (100 mL)		
Color Change	Light blue → Yellow		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	SO <sub>2</sub> + BaCl <sub>2</sub> + H <sub>2</sub> O → BaSO <sub>3</sub> + 2HCl HCl + Base → Chloride		
Relative standard deviation	± 10 %		

\* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

### Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
H <sub>2</sub> S		+	Beige colour
HF		+	Ring
NO		+	Diffuse
CO	100	No	No effect
NH <sub>3</sub>	50	No	No effect

### Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.



**Manufactured By:** Uniphos Envirotronic Pvt. Ltd.  
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