

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Sulphur Dioxide SO₂

TWA (TLV): 2 ppm

STEL (TLV): 5 ppm

SSD-4M

Flammable Range: NA

Specification:

	Extended	Standard	Extended
Measurement Range	10 – 150	20 - 300 ppm	40 - 600 ppm
No. of Pump Strokes	2 (200 mL)	1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2
Sampling Time	1.5 minutes per pump stroke (100 mL)		
Color Change	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 ₂ + BaCl ₂ + H ₂ O → BaSO ₃ + 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 ₂ S		+	Beige colour
HF		+	Ring
NO		+	Diffuse
CO	3000	No	No effect
NH ₃	300	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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Rev.0812