

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Sulphur Dioxide SO₂

TWA (TLV): 2 ppm

STEL (TLV): 5 ppm

SSD-1

Flammable Range: NA

Specification:

	Extended	Standard	Extended
Measurement Range	0.25-5	0.5-10 ppm	1-20 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	Pink → Yellow		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	SO ₂ + Base → Reaction product		
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
NH ₃	100	No	No effect
H ₂ S	2000	No	No effect

Correction for Environmental Parameters:

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



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