

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Carbon Disulphide CS_2 SCS-5M

TWA (TLV): 1 ppm

STEL (TLV): NA

Flammable Range: 1.3 - 50%

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	50 – 1600 ppm	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
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 % R.H.		
Reaction Principle	CS ₂ + CrO ₃ + H ₂ S ₂ O ₇ → SO ₂ + CO ₂ 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
Hexane	300	No	No Effect
H ₂ S	100	+	
SO ₂	20	+	

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