

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

O - Cresol

C₇H₈O

SCR-2M

TLV (TWA): 5 ppm

TLV (STEL): ----

Flammable Range: 1.1% Or higher

Specification:

Measurement Range	Extended	Standard	Extended
	0.5 – 1 ppm	1- 25 ppm	25 – 50 ppm
No. of Pump Strokes	4 (400 mL)	2 (200 mL)	1 (100 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	1.5 minutes per pump stroke (100 mL)		
Color Change	Greenish yellow → Pale gray		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	C ₇ H ₈ O + Ce(NO ₃) ₆ ²⁻ → Reaction product		
Relative standard deviation	± 10 – 15 %		

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

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Carbon monoxide	500	No	No Effect
Ammonia	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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