

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Methanol

TWA (TLV): 200 ppm

CH₃OH

STEL (TLV): 250 ppm

SME-8L

Flammable Range: 6-36.5%

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.05- 6 %	0.1- 12 %
No. of Pump Strokes		1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*		1	2
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	Orange → Green with brown top		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	CH ₃ OH + Cr ⁶⁺ + H ₂ SO ₄ → Cr ³⁺		
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
Alcohols		+	Orange to Green with brown top
CO	1000	No	No Effect
CO ₂	10%	No	No Effect
SO ₂		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