

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Diesel

TLV (TWA): 0.1 mg/L

C_nH_m

TLV (STEL): ---

SDL-4

Flammable Range: 0.6-7.5%

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.1-5 mg/L	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.5 minute per pump stroke (100 mL)		
Color Change	White → Brownish green		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	C _n H _m + I ₂ O ₅ + H ₂ SO ₇ → I ₂		
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
Gasoline	25	+	Brownish green
Octane	5	+	Brownish green
Toluene	25	+	Brownish green
n-Hexane	25	+	Brownish green
Hydrogen sulphide	60	+	Light color
Propane	100	No	No Effect
Acetone	50	No	No Effect
Benzene	25	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.0720