

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Nitrogen Oxides

NO_x

SNO-4L

TWA (TLV): 3 ppm (NO₂) & 25 ppm (NO)

Flammable Range: NA%

Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	(10) - 250 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	White → Yellowish orange		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	NO + Cr ⁶⁺ + H ₂ SO ₄ → NO ₂ NO ₂ + o - Tolidine → Yellow 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
Cl ₂		+	White to Yellowish orange
Br ₂		+	White to Yellowish orange
H ₂ S	100	No	No Effect
SO ₂	200	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.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

Rev.0812