

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Nitrogen Oxides

NO_x

SNO-4L

TLV (TWA): 0.2 ppm (NO₂) & 25 ppm (NO)

Flammable Range: NA

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	(5) - 250 ppm	Do not extend
No. of Pump Strokes	2 (200 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 → Yellowish orange 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
Chlorine		+	Yellowish orange
Bromine		+	Yellowish orange
Hydrogen Sulphide	100	No	No Effect
Sulphur dioxide	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 %.



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