

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

NO₂ & NO

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

CF000908

TLV(STEL): 5 ppm
TLV (STEL): -----

SNDNO-4L

Flammable Range: N.A.
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Specification:

	Extended	Standard	Extended
Measurement Range (NO ₂)	Do not extend	2.5-200 ppm	Do not extend
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No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1 minute per pump stroke (100 mL)		
Color Change	For both NO ₂ and NO: White → Yellowish orange		
Shelf Life	2 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle (Double Tube)	NO + CrO ₃ + H ₂ SO ₄ → NO ₂ NO ₂ + O-Toluidine → Yellowish orange product		
Relative standard deviation	± 10 – 15 %		

Possible Interferences:

For NO₂ detector tube:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Nitrogen monoxide	200	No	No Effect
Sulphur Dioxide	25	No	No Effect
Chlorine	50	Yes	Yellowish orange
Hydrogen Chloride	100	No	No Effect
Ozone	5	Yes	Yellowish orange

For NO detector tube:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Nitrogen Dioxide	200	No	No Effect
Sulphur Dioxide	10	No	No Effect
Ozone	50	No	No Effect

Correction for Environmental Parameters:

Relative humidity	Not necessary between 10 - 90 %.
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Temperature:

- a) NO₂ tubes: Not necessary between 0 °C and 40 °C (32 °F and 104 °F)
b) NO detector tube: See table below

Temperature °C (°F)	0 (32)	10(50)	20(68)	30(86)	40(104)
Correction factor	1.15	1.08	1	0.95	0.9



Manufactured By: Uniphos Envirotronic Pvt. Ltd. (100% EOU)
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

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