

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## NO<sub>2</sub> & NO

NO<sub>2</sub>: TWA (TLV): 3 ppm  
NO: TWA (TLV): 25 ppm

## CF000908

STEL(TLV): 5 ppm  
STEL(TLV): N.A.

## SNDNO-4L

Flammable Range: N.A.  
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### Specification:

	Extended	Standard	Extended
Measurement Range (NO <sub>2</sub> )	Do not extend	2.5-200 ppm	Do not extend
Measurement Range (NO)	Do not extend	2.5-200 ppm	Do not extend
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 <sub>2</sub> 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	NO + CrO <sub>3</sub> + H <sub>2</sub> SO <sub>4</sub> → NO <sub>2</sub> NO <sub>2</sub> + O-Toluidine → Yellowish orange product		
Relative standard deviation	± 10 %		

### Possible Interferences:

For NO<sub>2</sub> 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:

- NO<sub>2</sub> tubes: Not necessary between 0 °C and 40 °C (32 °F and 104 °F)
- 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.)  
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