

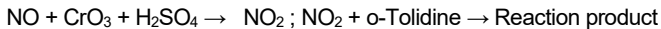


Specification:

Measurement Range (For both NO ₂ & NO)	Extended	Standard	Extended
	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	White → Orange (For both NO ₂ & NO)		
Detection Limit	1 ppm (1 pump stroke)		
Shelf Life	2 years		
Relative standard deviation	± 10 to 15 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Reaction Principle:



Possible Interferences:

Compound	Concentration (ppm)	Interference	Color Change / Comments
For NO₂ tube			
Chlorine	50	+	Orange
Nitric oxide	≤200	No	No effect
For NO tube			
Nitrogen dioxide	≤200	No	No Effect

Correction For Environmental Parameters:

Relative humidity	Not necessary between 10 - 90 %.				
Temperature	For NO ₂ tube: not necessary between 0 - 40°C (32 - 104°F).				
	For NO tube: see table below				
Temperature °C (°F)	0 (32)	10(50)	20(68)	30(86)	40(104)
Correction Factor (TCF) *	1.15	1.08	1	0.95	0.9

*Multiply the observed reading by the correction factor (TCF) to obtain the true concentration.

Calibration Of The Tube :

Static gas Dilution method.

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

TLV (STEL): -----

Flammable Range: N.A