

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Ozone

O<sub>3</sub>

## SOZ-4M

TWA (TLV): 0.1 ppm

STEL (TLV): 0.2 ppm (2 hours)

Flammable Range: NA

### Specification:

Measurement Range	Extended	Standard	Extended
	12.5 – 250 ppm	25 – 500 ppm	50 – 1000 ppm
No. of Pump Strokes	2 (200 mL)	1 (100 mL)	0.5 (50 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	1.5 minutes per pump stroke (100 mL)		
Color Change	Blue → White		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	O <sub>3</sub> + Indicator → 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 <sub>2</sub>		+	Blue to Pale red
NO <sub>2</sub>		+	Blue to Light blue
SO <sub>2</sub>	100	No	No Effect
H <sub>2</sub> S		+	Blue to Light blue

### 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