

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Phosphine



## SPH-6M

TWA (TLV): 0.3 ppm

STEL (TLV): 1 ppm

Flammable Range: ~1.8 - 100%

### Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	300 - 8000 ppm	Do not extend
No. of Pump Strokes		½ (50 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	0.5 minute per pump ½ stroke (50 mL)		
Color Change	Yellow → Black		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	PH <sub>3</sub> + Gold compound → 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
Arsine		+	Yellow to Black
SO <sub>2</sub>	3000	No	No Effect
H <sub>2</sub> S		+	Yellow to Black

### 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