Uniphos Detector Tube Data SheetDirect Reading Length of Stain Type

Phosphine TWA (TLV): 0.3 ppm

 PH_3

STEL (TLV): 1 ppm Flammable Range: ~1.8 - 100%

Specification:

	Standard	Extended
0.05 – 5 ppm	0.1–10 ppm	0.2 – 20 ppm
2 (200 mL)	1 (100 mL)	1/2 (50 mL)
0.5	1.0	2.0
1.5 minutes per pump stroke (100 mL)		
Yellow → Pink		
2 years		
Below 10°C (50°F)		
Calibrated at 20°C (68°F) and 50% RH.		
$PH_3 + 3HgCl_2 \rightarrow P(HgCl)_3 + 3HCl$		
HCI + Base → Chloride		
± 10 %		
	2 (200 mL) 0.5 1.5 minutes per Yellow → Pink 2 years Below 10°C (50° Calibrated at 20 PH ₃ +3HgCl ₂ → HCl + Base → C	2 (200 mL) 1 (100 mL) 0.5 1.0 1.5 minutes per pump stroke (100 m Yellow → Pink 2 years Below 10°C (50°F) Calibrated at 20°C (68°F) and 50% I PH ₃ +3HgCl ₂ → P(HgCl) ₃ + 3HCl HCl + Base → Chloride

^{*} 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 Pink
SO ₂	20	No	No Effect
H ₂ S		+	Yellow to Pink

Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.