

Uniphos Dosimeter Tube Data Sheet

Direct Reading Length of Stain Type

Phosphine

PH₃

LPG – 1

TWA (TLV): 0.3 ppm

STEL (TLV): 1 ppm

Flammable Range: ~1.8 - 100%

Specification:

Measurement Range	(1-200) X 10 ³ ppm.hr
Sampling Method	Diffusion
Color Change	Yellow → Black
Shelf Life	2 years
Storage condition	Below 10°C (50°F)
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.
Reaction Principle	PH ₃ + Gold compound → Reaction product
Relative standard deviation	± 10 %

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Arsine		+	Yellow to Black
NH ₃		No	No Effect
H ₂ 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.
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