

Uniphos Dosimeter Tube Data Sheet

Direct Reading Length of Stain Type

Oxygen

TWA (TLV): NA

O₂

STEL (TLV): NA

LOX - 1

Flammable Range: NA

Specification:

Measurement Range	(1-100) X 150 ppm.hr
Sampling Method	Diffusion
Color Change	Violet → White
Shelf Life	2 years
Storage condition	Below 10°C (50°F)
Calibration condition	Calibrated at 20°C (68°F) and < 5 % RH.
Reaction Principle	$O_2 + 4TiCl_3 + 6H_2O \rightarrow 4TiO_2 + 12 HCl$
Relative standard deviation	± 10 %

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
CO ₂		No	No Effect
H ₂ S		No	No Effect

Correction for Environmental Parameters:

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



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Rev.0313