

**Performance**

Measuring Range	(1) to 10 mg/l
Sampling Time	3 minutes
Detecting Limit	0.5 mg/l
Colour Change	Pale blue → White
Reaction Principle	$2O_3 + C_{16}H_{10}N_2O_2 \longrightarrow 2C_8H_5NO_2 + 2O_2$
Coefficient of Variation	15% (for 1 to 4 mg/l), 10% (for 4 to 10 mg/l)
Shelf Life	3 Years
Corrections for temperature & humidity	Water temperature correction is necessary
Store the tubes at cool and dark place.	

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
H ₂ O ₂	≥0.05 mg/l	Minus error	No discoloration
ClO ⁻	≥5 (Cl) mg/l ≥500 (Cl) mg/l	Minus error	White for whole layer high than 500 mg/l (Not produce demarcation)
Acid (H ⁺)	-	Plus error	No discoloration
Alkali (OH ⁻)	-	Minus error	No discoloration

Calibration gas generation Ozone solution

TLV-TWA	TLV-STEL	Explosive range
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