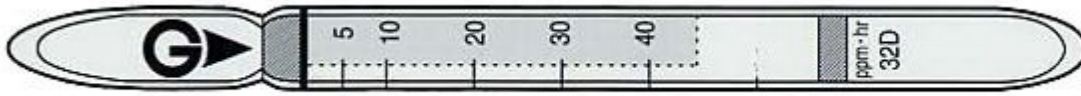


Hydrogen peroxide

Humidity
Correction₂O₂

NO.32D



Performance

Measuring Range	0.5 to 40 ppm
Sampling Hours	1 to 10 hours
Detecting Limit	0.3ppm (10 hours)
Color Change	White → Yellow
Reaction Principle	Hydrogen peroxide reacts with titanium sulfate to produce yellow color stain. Humidity Correction ₂ O ₂ + Ti(SO ₄) ₂ → Yellow reaction product
Coefficient of Variation	10% (for 5 to 40 ppm·hr)
Shelf Life	3 Years
Corrections for temperature & humidity	Temperature correction is necessary
Store the tubes at cool and dark place.	

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Nitrogen dioxide	-	No effect	No discoloration by itself
Chlorine, Ozone	-	No effect	No discoloration by itself
Acetaldehyde	20 ppm	Unclear demarcation	No discoloration by itself
Formaldehyde	10 ppm	Minus error	No discoloration by itself

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
1ppm	-	-