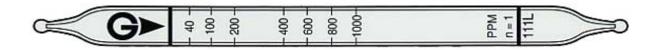
Methanol CH3OH No.111L



## Performance

Measuring Range	20 to 40 ppm	40 to 1000 ppm		
Number of Pump Strokes	2	1		
Correction Factor	1/2			
Sampling Time	4 minutes per pump stroke			
Detecting Limit	5 ppm (n=2)			
Colour Change	Pink → Pale blue			
Reaction Principle	Methyl alcohol reduces potassium dichromate to form chromic sulfate, which is blue in colour CH <sub>3</sub> OH + Cr <sup>6+</sup> + H <sub>2</sub> SO <sub>4</sub> → Cr <sup>3+</sup>			
Coefficient of Variation	15% (for 40 to 200 ppm), 10% (for 200 to 1000 ppm)			
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

Substance	Concentration	Interference	Change colour by itself
Alcohols	-	Plus error	Produces pale blue stain

## Other substance measurable with this detector tube

Substance	Correction	Pump Strokes	Measuring Range
Ethylene Chlorohydrin	by scale	3	20 to 200 ppm

## Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
200ppm	250ppm	6 to 36.5%