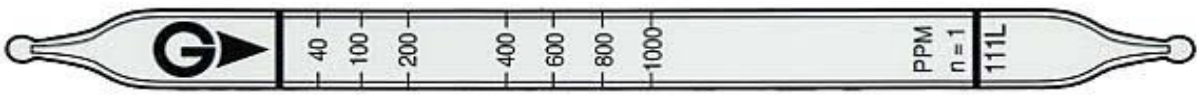
The people with the solutions that protect you and your environment everyday

Gastec Tube Datasheet

Methanol CH_3OH NO.GAS111L



Performance

Measuring Range	20 to 40 ppm	40 to 1000 ppm
Number of Pump Strokes	2	1
Correction Factor	1/2	1
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 Sulphate, which is blue in colour $CH_3OH + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$	
Coefficient of Variation	15% (for 40 to 200 ppm), 10% (for 200 to 1000 ppm)	
Shelf Life	Up to 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

a1-cbiss Ltd
5 Valiant Way, Lairdside Technology Park, Tranmere, CH41 9HS
www.a1-cbiss.com | sales@a1-cbiss.com | Tel: +44(0)151 666 8300 | Fax: +44(0)151 666 8329
VAT No: 539 5178 13 Company Reg No: 2414633