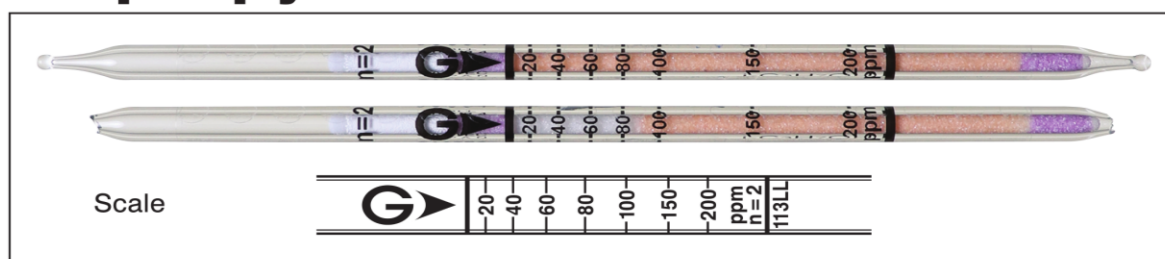




Isopropyl Alcohol

Part No.: 113LL

Isopropyl Alcohol $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$ or i- $\text{C}_3\text{H}_7\text{OH}$ No.113LL



Performance

Measuring range	20 to 200 ppm	200 to 460 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)
Correction factor	1	2.3
Sampling time	4 min	2 min
Detecting limit :	7 ppm (2 pump strokes)	
Colour change :	Pale vermillion → Pale blue	
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 10 to 90 % correction not used	
Relative standard deviation :	10 % (for 20 to 60 ppm), 5 % (for 60 to 200 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	24 months	

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Alcohols		+	Pale blue
Esters, Ketones		No	No
Aliphatic hydrocarbons		No	No
Aromatic hydrocarbons		No	No

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Propyl alcohol	by scale	2	55 to 170 ppm
Ethylene glycol MBE	by scale	2	60 to 400 ppm
Ethylene glycol MEE	Factor : 2.3	2	46 to 460 ppm
Ethylene glycol MME	Factor : 2.2	2	44 to 440 ppm
1-Methoxy-2-propanol	Factor : 1.3	2	26 to 260 ppm

MEE : monoethyl ether, MBE : monobutyl ether, MME : monomethyl ether

Calibration gas generation

Diffusion tube method