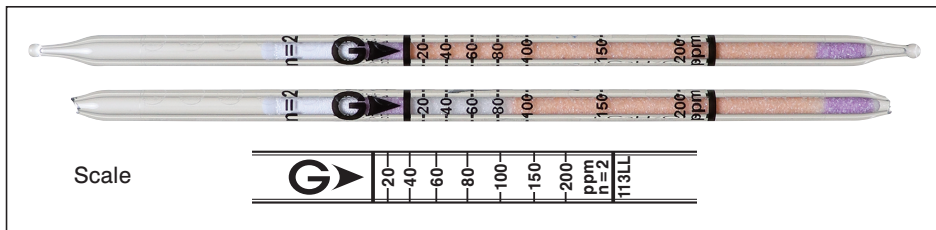


Isopropyl Alcohol $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$ or $\text{i-C}_3\text{H}_7\text{OH}$ No.113LL



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 vermilion → 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