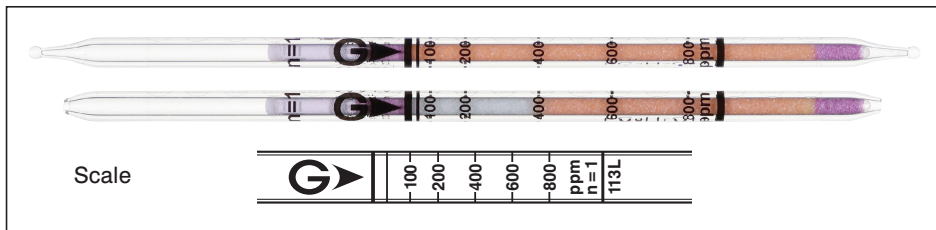


Isopropyl Alcohol $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$ or $\text{i-C}_3\text{H}_7\text{OH}$ No.113L



Performance The minimum scale value (50ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	20 to 50 ppm	(50) to 800 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)
Correction factor	0.4	1
Sampling time	4 min	2 min

Detecting limit : 15 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 20 to 90 % correction not used
 Relative standard deviation : 10 % (for 50 to 200 ppm), 5 % (for 200 to 800 ppm)
 Tube quantity and number of tests per box : 10 tubes for 10 tests
 Shelf life : 36 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Alcohols		+	Pale blue
Acetone	≤ 1200 ppm	No	No (≤ 1200 ppm)
Ethyl acetate	≤ 450 ppm	No	No (≤ 450 ppm)
Toluene	≤ 230 ppm	No	No (≤ 230 ppm)
Benzene	≤ 75 ppm	No	No

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Propyl alcohol	by scale	1	130 to 560 ppm
Vinyl trimethoxysilane	by scale	2	6.5 to 25.0 ppm
Ethylene glycol MME	by scale	2	75 to 760 ppm
Ethylene glycol MEE	by scale	2	110 to 1000 ppm
Ethylene glycol MBE	by scale	2	200 to 1000 ppm
Ethylene glycol MMEAc (2-Methoxyethyl acetate)	by scale	2	17.5 to 430 ppm

MBE : monobutyl ether, MEE : monoethyl ether

MME : monomethyl ether, MMEAc : monomethyl ether acetate

Calibration gas generation

Diffusion tube method