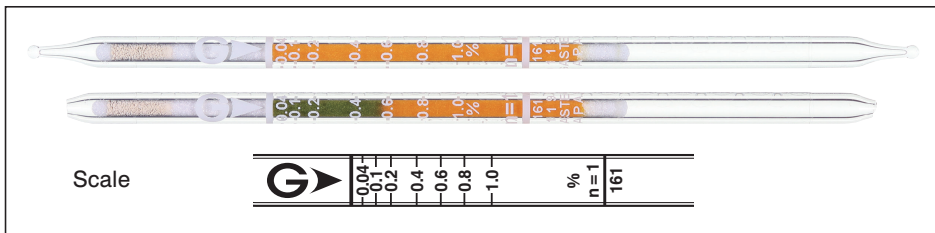


Ethyl Ether (C₂H₅)₂O

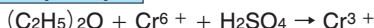
No.161



Performance

Measuring range	0.04 to 1.0 %
Number of pump strokes	1 (100 mL)
Correction factor	1
Sampling time	1.5 min
Detecting limit :	0.001 % (1 pump stroke)
Colour change :	Yellowish brown → Greenish brown
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 0.04 to 0.2 %), 5 % (for 0.2 to 1.0 %)
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
Acetylene	≧ 0.3 %	Cannot use	Greenish brown (whole layer) (≧ 0.3 %)
Propane	≧ 0.2 %	Cannot use	Greenish brown (whole layer) (≧ 0.2 %)
Aromatic hydrocarbons	≧ 500 ppm	+	Greenish brown (≧ 500 ppm)
Alcohols, Esters, Ketones		+	Greenish brown
Hydrogen sulphide	≧ 500 ppm	+	} Green (≧ 500 ppm)
Sulphur dioxide	≧ 500 ppm	+	

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Isopropyl ether	Factor : 0.45	2	0.018 to 0.45 %
Methyl ether	Factor : 0.85	1	0.034 to 0.85 %
Tetrahydrofuran	Factor : 1.4	1	0.056 to 1.4 %
Toluene	by scale	1	0.02 to 0.8 %

Calibration gas generation

Diffusion tube method