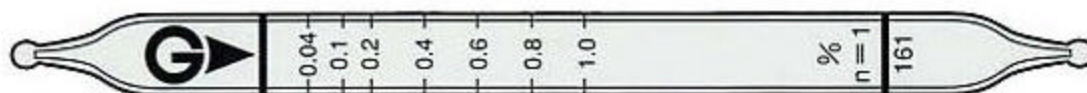


**Ethylether**(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>O  
Correction<sub>5</sub>**no.161****Performance**

<b>Measuring Range</b>	0.04 to 1.0%
<b>Number of Pump Strokes</b>	1
<b>Correction Factor</b>	1
<b>Sampling Time</b>	2 minutes per pump stroke
<b>Detecting Limit</b>	0.001% (n=1)
<b>Color Change</b>	Yellowish brown → Greenish brown
<b>Reaction Principle</b>	Ethyl ether reacts with chromic acid to form chromic sulfate, which produces a greenish brown color.
<b>Coefficient of Variation</b>	10% (for 0.04 to 0.2 %), 5% (for 0.2 to 1.0 %)
<b>Shelf Life</b>	3 Years
<b>Corrections for temperature &amp; humidity</b>	Temperature correction is necessary
<b>Store the tubes at cool and dark place.</b>	

**Possible coexisting substances and their interferences (NOTE)**

Substance	Concentration	Interference	Change color by itself
Propane	0.2%	Plus error	Produce dark green for whole layer
Alcohols, Esters, Ketones	-	Plus error	Produce greenish brown
Aromatic HCs.	500 ppm	Plus error	Produce greenish brown
Hydrogen sulfide	500 ppm	Plus error	Produce green stain
Sulfur dioxide	500 ppm	Plus error	Produce green stain
Acetylene	0.3%	Plus error	Greenish brown for whole layer

**Other substance measurable with this detector tube**

Substance	Correction Factor	Pump Strokes	Measuring Range
Isopropyl ether	0.45	2	0.018 to 0.45%
Methyl ether	0.85	1	0.03 to 0.85%
Tetrahydrofuran	1.4	1	0.056 to 1.4%

Toluene	by scale	1	0.02 to 0.8%
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**Calibration gas generation**    Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
400ppm	500ppm	1.9 to 48%



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