System Gas Chromatograph
Ethylene Oxide in MEG Unit Gas and Liquid Stream Samples Analysis System
Nexis GC-2030EO
GC-2014EO

This instrument is applied for the determination of ethylene oxide in MEG gas and liquid stream samples by gas chromatography (GC) and detection by TCD or FID. The sample is introduced into one sample loop or directly injected into a packed injection port. The separations are performed by a Porapak-Q and Porapak-N columns. LabSolutions chromatography software handles all aspects of GC control, automation, and data handling.

Analyzer Information
System Configuration:
One valve / three packed columns with one TCD detector or one valve / three packed columns with two FID detectors

Sample Information:
EO

Concentration Range:

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of Compound</th>
<th>Concentration Range</th>
<th>Detector</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EO</td>
<td>0.1% - 30.0%</td>
<td>TCD-1</td>
</tr>
<tr>
<td>2</td>
<td>EO</td>
<td>1.0ppm - 100.0ppm</td>
<td>FID-1</td>
</tr>
</tbody>
</table>

Detection limits may vary depending on the sample. Please contact us for more consultation.

System Features

- Versatile software easy GC system operation
- One TCD channel or one FID channel
- Good repeatability

Typical Chromatograms

![Chromatogram of TCD](image)