Data sheet · Gas analysis in the pressure range of up to 1 bar

OmniStar™ GSD 320 O3, 1 - 300 amu, tungsten filament, heated capillary 200 °C, 1 m

Benchtop analysis system
Data sheet · Gas analysis in the pressure range of up to 1 bar

OmniStar™ GSD 320 O3, 1 - 300 amu, tungsten filament, heated capillary 200 °C, 1 m

- Benchtop analysis system
- Mass range 1-300 amu
- Qualitative and quantitative gas analysis
- Gas inlet heatable up to 200 °C

Dimensions

A 545 mm
B 395 mm
C 305 mm
**OmniStar™ GSD 320 O3, 1 - 300 amu, tungsten filament, heated capillary 200 °C, 1 m**

<table>
<thead>
<tr>
<th>Technical Data</th>
<th>OmniStar™ GSD 320 O3, 1 - 300 amu, tungsten filament, heated capillary 200 °C, 1 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analyzer</td>
<td>QMA 200 M</td>
</tr>
<tr>
<td>Connection</td>
<td>no</td>
</tr>
<tr>
<td>Contribution to neighboring mass: 40 to 41</td>
<td>&lt; 50 ppm</td>
</tr>
<tr>
<td>Detection limit min.: C-SEM</td>
<td>&lt; 1 ppm</td>
</tr>
<tr>
<td>Detection limit min.: Faraday</td>
<td>&lt; 100 ppm</td>
</tr>
<tr>
<td>Detector</td>
<td>C-SEM/Faraday</td>
</tr>
<tr>
<td>Filament</td>
<td>no</td>
</tr>
<tr>
<td>Gas connection</td>
<td>Stainless steel capillary</td>
</tr>
<tr>
<td>Gas connection: Length</td>
<td>1 m</td>
</tr>
<tr>
<td>Gas flow rate</td>
<td>1-2 sccm</td>
</tr>
<tr>
<td>Gas inlet</td>
<td>Controlled inlet valve</td>
</tr>
<tr>
<td>Input: Analog</td>
<td>2 AI, -10 to +10 V, 14 bit</td>
</tr>
<tr>
<td>Input: Digital</td>
<td>1 kontakt, V in = 24 V DC</td>
</tr>
<tr>
<td>Ion source</td>
<td>no</td>
</tr>
<tr>
<td>Mass range</td>
<td>1-300 amu</td>
</tr>
<tr>
<td>Mounting orientation</td>
<td>no</td>
</tr>
<tr>
<td>Operating temperature: Capillary, up to</td>
<td>200 °C</td>
</tr>
<tr>
<td>Output: Analog</td>
<td>2 AO, 0-10 V, 14 bit</td>
</tr>
<tr>
<td>Output: Digital</td>
<td>2 Relais N.O., 24 V DC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>590 W</td>
</tr>
<tr>
<td>Quadrupole controller</td>
<td>QME 220 M</td>
</tr>
<tr>
<td>Resolution, adjustable at 10 % peak height</td>
<td>0.5 - 2.5 amu</td>
</tr>
<tr>
<td>Rod system: Diameter</td>
<td>6 mm</td>
</tr>
<tr>
<td>Rod system: Length</td>
<td>100 mm</td>
</tr>
<tr>
<td>Rod system: Material</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Sample pressure: Standard version</td>
<td>1000 mbar</td>
</tr>
<tr>
<td>Software</td>
<td>Quadera®</td>
</tr>
<tr>
<td>Supply</td>
<td>100-230 V, 50/60 Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>35 kg</td>
</tr>
</tbody>
</table>

**Order number**  
PTM80617131
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