Features

Efficient use of precious metals is becoming more and more important due to the growing demand for rare metals such as platinum and palladium worldwide. BEL-METAL-3 has three measurement ports, enabling efficient metal dispersion measurement by performing pre-processing at the same time. As measurement is fully automatic, anyone can easily operate it and get highly reproducible data regardless of the skill of the experimenter. Measurement results are automatically output in report format, reducing the need for complex calculations.

Software

Measurement Sheet
**Method**

Pulse injection chemical adsorption measurement method

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>BEL-METAL-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method</td>
<td>Pulse injection chemical adsorption measurement method</td>
</tr>
<tr>
<td>Detector</td>
<td>Semi-diffusing four-element thermal conductivity detector (TCD)</td>
</tr>
<tr>
<td>Measurement/Pre-treatment Port</td>
<td></td>
</tr>
<tr>
<td>Dosing gas prot</td>
<td></td>
</tr>
<tr>
<td>Carrier gas</td>
<td>1 port</td>
</tr>
<tr>
<td>Pretreatment gas</td>
<td>3 ports</td>
</tr>
<tr>
<td>Pulse</td>
<td>2 ports</td>
</tr>
<tr>
<td>Pulse loop</td>
<td>1 OP: 2</td>
</tr>
<tr>
<td>Gauge glass capacity</td>
<td>0.3 ~ 1.0 cc</td>
</tr>
<tr>
<td>Temperature control range</td>
<td>RT ~ 800°C (OP: RT ~ 1200°C, -20°C ~ RT)</td>
</tr>
<tr>
<td>Temperature rising speed</td>
<td>70°C/min [50 ~ 500°C], 30°C/min [500 ~ 800°C]</td>
</tr>
<tr>
<td>Rapid cooling</td>
<td>30min [400 ~ 50°C]</td>
</tr>
<tr>
<td>Dimensions</td>
<td>600(W) x 700(D) x 720(H)mm</td>
</tr>
<tr>
<td>Weight</td>
<td>106Kg</td>
</tr>
<tr>
<td>Computer</td>
<td>OS: Windows 10 CPU: Intel Serial port: 1</td>
</tr>
<tr>
<td></td>
<td>Display: Resolution 1024 x 768 dots or more</td>
</tr>
<tr>
<td>Utilities</td>
<td>Gas</td>
</tr>
<tr>
<td></td>
<td>Carrier, Pretreatment, Pulse: 0.1 ± 0.02MPa (Gauge) 1/8 Swagelok</td>
</tr>
<tr>
<td></td>
<td>Valve drive gas: 0.45-0.55MPa (Gauge) 1/8 Swagelok</td>
</tr>
<tr>
<td></td>
<td>Power</td>
</tr>
<tr>
<td></td>
<td>Main unit AC100-120V/1500W</td>
</tr>
</tbody>
</table>

※Specifications and appearance of the products listed are subject to change without notice.

※Products (goods and services) described in the catalog, depending on the destination and application, might be applicable to export regulations, etc. by the "Foreign Exchange and Foreign Trade Control Law".

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