Ultramicro powder weighing apparatus

Zerobalancer

- Fully-automated weighing system with electronic balance!

- Application: Fully-automated accurate weighing system for powder materials

- Accuracy: ±200 µg / ±500 µg

- Accuracy: ±5mg / ±20mg / ±200mg

- Microbalancer

- Millibalancer

- Fully-automated weighing system for milligram accuracy replaced by manual method

- Feeding accuracy: 1 ~ 1/1.2 million

- Automatic mode on screen

- Menu selecting mode on screen

- Weight setting mode on screen

- Patent Granted
  - No. 4049388 (Japan, December 7, 2007)

- Patent Pending
  - JP2007-June 15
  - JP2007-August 10
  - JP2007-September 4
  - PCT/JP/070261 (October 17, 2007)
### Specifications: Electronic balance (mount type)

**Zerobalancer**: For fluid, adhesive, agglutinative powder

<table>
<thead>
<tr>
<th>Model</th>
<th>Millibalancer (J1-100M-03)</th>
<th>Microbalancer (J1-100µ-5-03)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>J1-100M-03</td>
<td>J1-100µ-5-03</td>
</tr>
<tr>
<td><strong>Options</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Enlarged hopper for a use of medical paper</strong></td>
<td>(1)</td>
<td>(2)</td>
</tr>
<tr>
<td><strong>Feedback control by the signal of electronic balance</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Weighing accuracy</strong></td>
<td>± 200mg</td>
<td>± 500 µg</td>
</tr>
<tr>
<td><strong>Weighing formula</strong></td>
<td>Feedback control</td>
<td></td>
</tr>
<tr>
<td><strong>Weighing time</strong></td>
<td>10sec/1g</td>
<td>20sec/1g</td>
</tr>
<tr>
<td><strong>Container Volume</strong></td>
<td>250cc</td>
<td></td>
</tr>
<tr>
<td><strong>Hopper quality of the material</strong></td>
<td>Polycarbonate</td>
<td>Other parts SUS-304</td>
</tr>
<tr>
<td><strong>Weighing capacity</strong></td>
<td>2,200g</td>
<td>240g</td>
</tr>
<tr>
<td><strong>Readability</strong></td>
<td>100mg</td>
<td>100 µg</td>
</tr>
<tr>
<td><strong>Response time</strong></td>
<td>1sec</td>
<td>2sec</td>
</tr>
<tr>
<td><strong>Control box</strong></td>
<td>Color touch-panel operation</td>
<td>Digital control</td>
</tr>
<tr>
<td><strong>Body dimensions</strong></td>
<td>W214 x D342 x H90 mm</td>
<td>W214 x D342 x H340 mm</td>
</tr>
<tr>
<td><strong>Control box dimensions</strong></td>
<td>W270 x D500 x H200 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Windproof case</strong></td>
<td>Option</td>
<td>Windshield case with slide door</td>
</tr>
<tr>
<td><strong>Price</strong></td>
<td>3,100,000</td>
<td>4,530,000</td>
</tr>
<tr>
<td><strong>Option</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>(1) Enlarged hopper for a use of medical paper</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>(2) External Switch &amp; Display</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Common Specifications for fluid, adhesive, agglutinative powder**

- **Weighing accuracy**: ± 200mg, ± 5mg, ± 500 µg, ± 200 µg, ± 50 µg
- **Weighing formula**: Feedback control by the signal of electronic balance
- **Weighing time**: 10sec/1g, 15sec/1g, 20sec/1g, 40sec/1g, 45sec/1g, 60sec/1g
- **Container Volume**: 250cc
- **Hopper quality of the material**: Polycarbonate, Other parts SUS-304
- **Weighing capacity**: 2,200g, 620g, 320g, 240g, 230g, 2,000mg
- **Readability**: 100mg, 10mg, 1mg, 100 µg, 10 µg, 5 µg
- **Response time**: 1sec, 1sec, 1.5sec, 2sec, 8sec, 10sec
- **Control box**: Color touch-panel operation, Digital control, With a balancer record
- **Body dimensions**: W214 x D342 x H90 mm, W214 x D342 x H340 mm
- **Control box dimensions**: W270 x D500 x H200 mm
- **Windproof case**: Option, Windshield case with slide door
- **Price**: 3,100,000, 3,380,000, 3,760,000, 4,530,000, 5,410,000

**Option**

- **(1) Enlarged hopper for a use of medical paper**
- **(2) External Switch & Display**

---

**Balancer record on screen**

The data of balancer record can be uploaded directly to Excel.

Recommended operating conditions:

- **Computer**: IBM Compatible
  - Resolution: 800 x 600 pixel or up
  - CPU: Pentium 500MHz or higher
  - RS-232 Port is attached
  - CD Drive is attached
- **OS**: Japanese version Microsoft® Windows® XP

---

**Distributors**

Alpha Co., Ltd.
6-6-8 SIRAYAMA-CHO, KASUGAI-CITY, AICHI 487-0034, JAPAN
Phone: 0568-53-5611 Facsimile: 0568-53-5612
E-mail: zero@zerobalancer.jp
www.zerobalancer.jp