Rugged, Multi-Purpose Balances for a Wide Range of General Weighing Applications

OHAUS raises the bar in price-performance ratio with the newly-designed Navigator series which is perfect for general weighing applications in laboratory, industrial and education settings. Ruggedly constructed and multifunctional, the Navigator is a powerful balance that can handle a diverse range of weighing applications with features such as fast stabilization time, overload protection at four times its rated capacity, and easy operation.

Standard Features:

• **Designed for Accuracy and Repeatability in Essential Weighing Applications**
  Designed for a range of essential weighing applications, the Navigator offers accuracy and repeatability at a competitive pricepoint, making it a valuable tool in laboratory, industrial and education settings.

• **Improved Productivity with Fast Stabilization Time**
  The Navigator series is designed to accurately stabilize in less than one second to provide fast and accurate weighing results, improving operator efficiency, productivity and throughput.

• **Mechanical Overload Protection Safeguards the Balance and Increases Durability**
  An overload protection system that can withstand loads up to four times the rated capacity safeguards the balance. An integrated shipping lock protects the weighing cell during transportation/storage.

• **Touchless Sensor for Increased Convenience and Efficiency**
  The Navigator’s touchless sensor frees up your hands for handling samples. Users can zero, print, tare or change functions without touching the balance, keeping sample residue off the keypad.
### Navigator® Portable Balances

<table>
<thead>
<tr>
<th>Model</th>
<th>NV222</th>
<th>NV422</th>
<th>NV221</th>
<th>NV621</th>
<th>NV1201</th>
<th>NV2201</th>
<th>NVT2201</th>
<th>NVT4201</th>
<th>NVT2200</th>
<th>NVT6200</th>
<th>NVT12000</th>
<th>NVT22000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (g)</td>
<td>220</td>
<td>420</td>
<td>220</td>
<td>620</td>
<td>1200</td>
<td>2200</td>
<td>2200</td>
<td>4200</td>
<td>2200</td>
<td>6200</td>
<td>12000</td>
<td>22000</td>
</tr>
<tr>
<td>Readability (g)</td>
<td>0.01</td>
<td>0.1</td>
<td></td>
<td></td>
<td>0.1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Span Calibration Mass*</td>
<td>200</td>
<td>300</td>
<td>500</td>
<td>1000</td>
<td>2000</td>
<td>5000</td>
<td>10000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linearity Calibration Mass</td>
<td>100, 200 g</td>
<td>100, 200 g</td>
<td>200, 400 g</td>
<td>300, 600 g</td>
<td>500 g, 1 kg</td>
<td>1 kg, 2 kg</td>
<td>1 kg, 2 kg</td>
<td>2 kg, 4 kg</td>
<td>1 kg, 2 kg</td>
<td>3 kg, 6 kg</td>
<td>5 kg, 10 kg</td>
<td>10 kg, 20 kg</td>
</tr>
<tr>
<td>Stabilization Time(s)</td>
<td>1</td>
<td>1.5</td>
<td>1</td>
<td>1.5</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Construction**
- ABS housing and stainless steel pan

**Calibration**
- User-selectable external span or linearity calibration / Digital with external weight

**Tare Range**
- Full capacity by subtraction

**Weighing Units**
- g, kg, N, oz, ozt, dwt, lb, lb:oz, ct, grain

**Application Modes**
- Weighing, Parts Counting, Percent Weighing, Checkweighing

**Power Requirement**
- AC adapter (included) or 4 C batteries (not included)

**Typical Battery Life**
- 270 hours

**Temperature Range**
- 10 °C (50 °F) to 40 °C (104 °F) at 10% to 85% relative humidity, non-condensing

**Storage Conditions**
- -20 °C (-4 °F) to 55 °C (131 °F) at 10% to 90% relative humidity, non-condensing

**Communication**
- RS232, USB, or Ethernet (available as accessories)

**Display Type**
- Liquid Crystal Display (LCD) with backlight

**Display Size**
- 0.78 in. / 20 mm digits

<table>
<thead>
<tr>
<th>Pan Size (W × D)</th>
<th>Ø 5.7 in. / 145 mm</th>
<th>7.5 × 5.7 in. / 190 × 144 mm</th>
<th>9.1 × 6.9 in. / 230 × 174 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance Dimensions (W × D × H)</td>
<td>8 × 9.1 × 2.8 in. / 204 × 230 × 70 mm</td>
<td>9.5 × 9.8 × 2.9 in. / 240 × 250 × 74 mm</td>
<td></td>
</tr>
<tr>
<td>Shipping Dimensions (W × D × H)</td>
<td>11.8 × 9.8 × 5.3 in. / 300 × 250 × 134 mm</td>
<td>15.2 × 13.2 × 6.7 in. / 385 × 335 × 170 mm</td>
<td></td>
</tr>
<tr>
<td>Net Weight</td>
<td>2.2 lb / 1.0 kg</td>
<td>3.3 lb / 1.5 kg</td>
<td></td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>3.3 lb / 1.5 kg</td>
<td>5.1 lb / 2.3 kg</td>
<td></td>
</tr>
</tbody>
</table>

*not included

**Other Standard Features and Equipment**
- ABS housing, stainless steel pan, transportation lock, menu and calibration lock switch, slip-resistant and adjustable feet, leveling bubble, mechanical and software overload/underload protection, stability indicator, low battery indicator, auto shut-off, user-selectable print options, user-selectable communication settings

**Compliance**
- **Product Safety:** IEC/EN 61010-1
- **Electromagnetic Compatibility:** IEC/EN 61326-1 Class B, Basic environments; FCC Part 15 Class B; Canada ICES-003 Class B
- **Compliance Marks:** CE; RCM

**Accessories**
- USB Interface .......................... 83032108
- RS232 Interface .......................... 83032107
- Ethernet Interface ..................... 83032109
- Rechargeable Battery Kit ............. 83032106
- Carrying Case ................................ 30467963
- Adapter with plugs .................... 30467987
- Printer, SF40A, AM ..................... 30064203

**Dimensions**
- 70 mm × 74 mm / 2.8 in. × 2.9 in.
- 204 mm × 240 mm / 8 in. × 9.5 in.
- 230 mm × 250 mm / 9.1 in. × 9.8 in.