



### *Multi-Purpose Portable Balances Suitable for Everyday Weighing*

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.

#### *Unique Features:*

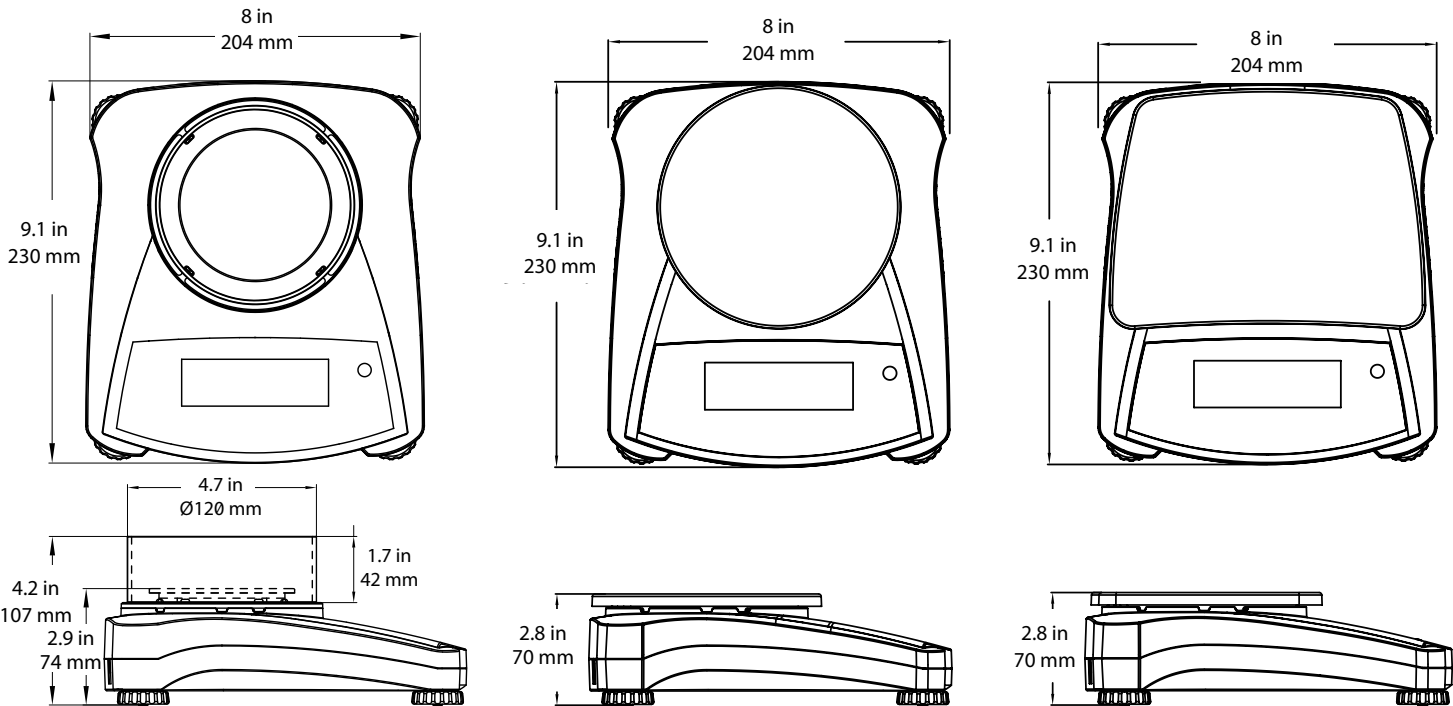
- Navigator offers essential weighing applications at a competitive price point.
- Advanced weighing technology offers one-second stabilization for fast and accurate weighing results, improving operator efficiency, productivity and throughput.
- Overload protection system that can withstand loads up to four times the rated capacity safeguards the balance.

# NAVIGATOR™ Portable Balances

| Model                           | NV123                                                                                                                | NV223      | NV323      | NV222                                    | NV422      | NV622      | NV1202                      | NV2202     | NV3202       | NV221      | NV621      | NV1201      | NV2201     |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------|------------|------------|------------------------------------------|------------|------------|-----------------------------|------------|--------------|------------|------------|-------------|------------|
| Capacity (g)                    | 120                                                                                                                  | 220        | 320        | 220                                      | 420        | 620        | 1200                        | 2200       | 3200         | 220        | 620        | 1200        | 2200       |
| Readability (g)                 | 0.001                                                                                                                |            |            | 0.01                                     |            |            |                             |            |              | 0.1        |            |             |            |
| Repeatability (std. Dev.)       | 0.002                                                                                                                |            |            | 0.01                                     | 0.02       |            |                             |            |              | 0.1        |            |             |            |
| Linearity (g)                   | 0.003                                                                                                                | 0.005      |            | 0.02                                     |            |            | 0.03                        | 0.05       |              | 0.2        |            |             |            |
| Span Calibration Mass*          | 100                                                                                                                  | 200        | 300        | 200                                      |            | 300        | 1000                        | 2000       | 3000         | 200        | 300        | 500         | 1000       |
| Linearity Calibration Mass      | 50, 100 g                                                                                                            | 100, 200 g | 150, 300 g | 100, 200 g                               | 200, 400 g | 300, 600 g | 500 g, 1 kg                 | 1 kg, 2 kg | 1.5 kg, 3 kg | 100, 200 g | 300, 600 g | 500 g, 1 kg | 1 kg, 2 kg |
| Stabilization Time(s)           | 2.5                                                                                                                  |            |            | 1                                        | 1.5        |            | 2                           |            |              | 1          |            |             |            |
| Construction                    | ABS housing and stainless steel pan                                                                                  |            |            |                                          |            |            |                             |            |              |            |            |             |            |
| Draftshield                     | Removable Draftshield                                                                                                |            |            | n/a                                      |            |            |                             |            |              |            |            |             |            |
| 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            | 200 hours                                                                                                            |            |            | 270 hours                                |            |            | 200 hours                   |            |              | 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                                                                                              |            |            |                                          |            |            |                             |            |              |            |            |             |            |
| Draftshield Dimensions          | Ø4.7 in / Ø120 mm, height: 1.7 in / 42 mm                                                                            |            |            | n/a                                      |            |            |                             |            |              |            |            |             |            |
| Pan Size (W × D)                | Ø3.7 in / Ø93 mm                                                                                                     |            |            | Ø 5.7 in. / 145 mm                       |            |            | 7.5 x 5.7 in / 190 x 144 mm |            |              |            |            |             |            |
| Balance Dimensions (W × D × H)  | 8 x 9.1 x 4.2 in / 204 x 230 x 107 mm with draft shield<br>8 x 9.1 x 2.9 in / 204 x 230 x 74 mm without draft shield |            |            | 8 × 9.1 × 2.8 in. / 204 × 230 × 70 mm    |            |            |                             |            |              |            |            |             |            |
| Shipping Dimensions (W × D × H) | 15.2 x 13.2 x 6.7 in / 385 x 335 x 170 mm                                                                            |            |            | 11.8 x 9.8 x 5.3 in / 300 x 250 x 134 mm |            |            |                             |            |              |            |            |             |            |
| Net Weight                      | 2.2 lb / 1.0 kg                                                                                                      |            |            |                                          |            |            |                             |            |              |            |            |             |            |
| Shipping Weight                 | 3.3 lb / 1.5 kg                                                                                                      |            |            |                                          |            |            |                             |            |              |            |            |             |            |

\*not included

## Dimensional Drawings



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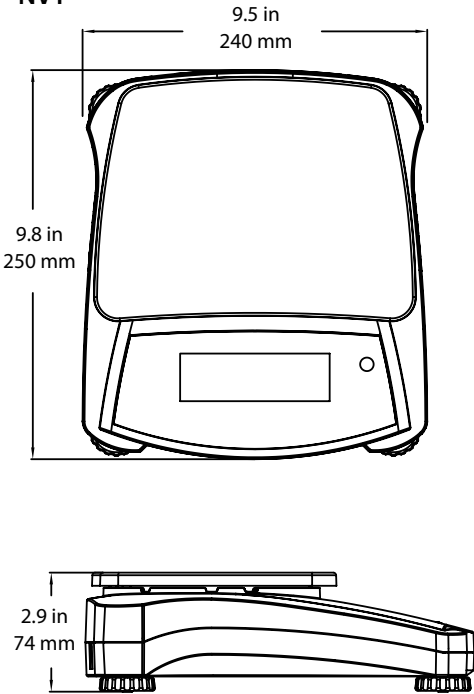
# NAVIGATOR™ Portable Balances

| Model                           | NVT2201                                                                             | NVT4201    | NVT6201    | NVT10201    | NVT2200    | NVT6200    | NVT12000    | NVT22000     |
|---------------------------------|-------------------------------------------------------------------------------------|------------|------------|-------------|------------|------------|-------------|--------------|
| Capacity (g)                    | 2200                                                                                | 4200       | 6200       | 10200       | 2200       | 6200       | 12000       | 22000        |
| Readability (g)                 | 0.1                                                                                 |            |            |             | 1          |            |             |              |
| Readability (std Dev.)          | 0.1                                                                                 | 0.2        |            |             | 1          |            |             |              |
| Linearity (g)                   | 0.2                                                                                 |            |            |             | 2          |            |             |              |
| Span Calibration Mass*          | 1000                                                                                | 2000       | 5000       |             | 1000       | 5000       |             | 10000        |
| Linearity Calibration Mass      | 1 kg, 2 kg                                                                          | 2 kg, 4 kg | 3 kg, 6 kg | 5 kg, 10 kg | 1 kg, 2 kg | 3 kg, 6 kg | 5 kg, 10 kg | 10 kg, 20 kg |
| Stabilization Time(s)           | 1                                                                                   | 1.5        |            |             | 1          |            |             |              |
| Construction                    | ABS housing and stainless steel pan                                                 |            |            |             |            |            |             |              |
| Draftshield                     | n/a                                                                                 |            |            |             |            |            |             |              |
| 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                                                                           |            |            | 200 hours   | 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                                                              |            |            |             |            |            |             |              |
| Draftshield Dimensions          | n/a                                                                                 |            |            |             |            |            |             |              |
| Pan Size (W × D)                | 9.1 x 6.9 in / 230 x 174 mm                                                         |            |            |             |            |            |             |              |
| Balance Dimensions (W × D × H)  | 9.5 × 9.8 × 2.9 in. / 240 × 250 × 74 mm                                             |            |            |             |            |            |             |              |
| Shipping Dimensions (W × D × H) | 15.2 × 13.2 × 6.7 in. / 385 × 335 × 170 mm                                          |            |            |             |            |            |             |              |
| Net Weight                      | 3.3 lb / 1.5 kg                                                                     |            |            |             |            |            |             |              |
| Shipping Weight                 | 5.1 lb / 2.3 kg                                                                     |            |            |             |            |            |             |              |

\*not included

## Dimensional Drawings

NVT



## Built-in Application Modes

- **Weighing** – Determines the weight of items on the pan in the selected unit of measure
- **Parts Counting** – Counts the number of pieces on the pan using a uniform weight.
- **Percent Weighing** – Measures the weight of a sample displayed as a percentage of pre-established reference weight.
- **Check Weighing** – Compares the weight of sample against target limits.

# NAVIGATOR™ Portable Balances



**Fast Weighing Speed:**  
**As Fast As 1second**  
**Efficient Weighing**

**4 times Superior Overload Protection**  
**Durable & Reliable**

**Touchless Sensor**  
**Improve Productivity**

**Large Pan & High Capacity**  
**Weigh Big Items**

**Multiple Application Modes**

**Multi-Connectivity Options**  
**Easy for Data Logging**

**Up to 270 hours Battery Life**  
**Uninterrupted operation**

**Draftshield is available accurate weighing with new-expanded models**

## Other Standard Features and Equipment

ABS housing, stainless steel pan, transportation lock, menu and calibration lockswitch, 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

## Accessories

|                                |          |
|--------------------------------|----------|
| RS232 Interface .....          | 83032107 |
| USB Interface .....            | 83032108 |
| Ethernet Interface .....       | 83032109 |
| Carrying Case .....            | 30467963 |
| Adapter with Plugs .....       | 30467987 |
| Printer, SF40A, AM .....       | 30064203 |
| Weigh Below Kit, NV, NVT ..... | 30628012 |

## 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

## OHAUS CORPORATION

7 Campus Drive  
Suite 310  
Parsippany, NJ 07054 USA

Tel: 800.672.7722  
973.377.9000  
Fax: 973.944.7177

[www.ohaus.com](http://www.ohaus.com)

The management system governing the manufacture of this product is ISO 9001:2015 certified.



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