# Ohaus NV221 Navigator w Touchless Sensors Portable Balance 220 x 0.1 g

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,

**OHAUS**

**Capacity x Readability**
220 g x 0.1 g
**Pan Size**
7.5 x 5.7 in

Manufature: Ohaus
SKU: **NV221**
Weight: 2.20 lb
Free Ground Shipping within the
48 continental US States

**Please Call
(800)832-0055**

## Features

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.

**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

**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

## Specifications

| Model with TD52P ABS Indicator | NV123 30642238 | NV223 30642239 | NV323 30642240 | NV222 30456410 | NV422 30456411 | NV622 30467960 | NV1202 30642241 | NV2202 30642242 | NV3202 30642243 | NV221 30456412 | NV621 30456413 | NV1201 30456414 | NV2201 30456415 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Capacity x Readability | 120 x 0.001 g | 220 x 0.001 g | 320 x 0.001 g | 220 x 0.01 g | 420 x 0.01 g | 620 x 0.01 g | 1200 x 0.01 g | 2200 x 0.01 g | 3200 x 0.01 g | 220 x 0.1 g | 620 x 0.1 g | 1200 x 0.1 g | 2200 x 0.1 g |
| Pan Size | Ø 4.7 in. | | | Ø 5.7 in. | | | 7.5 x 5.7 in | | | | | | |
| Stabilization Time(s) | 2.5 | | | 1 | 1.5 | | 2 | | | 1 | | | |
| Repeatability (std. Dev.) | 0.002 | | | 0.01 | 0.02 | | | | | | 0.2 | | |
| Linearity (g) | 0.003 | 0.005 | | 0.02 | | | 0.03 | 0.05 | | 0.2 | | | |

| Spec | Value |
|---|---|
| Construction | ABS housing and stainless steel pan |
| Draftshield | Removable Draftshield - |
| 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 |
| Balance Dimensions (W x D x H) | 8 x 9.1 x 4.2 in with draft shield — 8 x 9.1 x 2.8 in. — 8 x 9.1 x 2.9 in without draft shield |
| Shipping Dimensions (W x D x H) | 15.2 x 13.2 x 6.7 in — 8 x 9.1 x 2.8 in. |
| Net Weight | 2.2 lb / 1.0 kg — 2.2 lb / 1.0 kg |
| Shipping Weight | 3.3 lb / 1.5 kg — 3.3 lb / 1.5 kg |

| 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 |

| Span Calibration Mass* | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 200 | 300 | 200 | 200 | 300 | 1000 | 2000 | 3000 | 200 | 300 | 500 | 1000 |

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