

Nimbus[®]



Sky-High Performance Down-to-Earth Value

The *Nimbus* series of balances offers a range of models that deliver precision readabilities from 0.0001g (0.1mg) to 0.1g. With a compact footprint and intuitive user interface, *Nimbus* provides a streamlined weighing experience. Enhanced processing power combines with efficient technology to produce a balance that weathers the storms in demanding laboratories. Experience the *Nimbus* by Adam Equipment.

ADAM[®]
www.adamequipment.com

User-friendly applications for everyday lab work



Create a customised weighing unit

The *Nimbus* offers multiple weighing units, providing the flexibility needed for every laboratory application. A custom unit allows for more complex unit weight calculations.



Perform density measurements of liquids and solids

Measuring the density of liquids or solids is simple with built-in software that guides you through the calculation process.



Minimise fluctuations in readings

Influences on the platform, such as vibrations, oscillation, air or moving objects, can produce inconsistent readings. The *Nimbus's* animal/dynamic weighing mode and digital filter settings help reduce the effects of motion and boost measurement accuracy.



Calculate percentage weight in real time

With the percentage weighing feature, the *Nimbus* performs all calculations instantly. Compare products against a master sample reference weight for use in quality control.



Track and record inventory with parts counting

Ideal for counting applications, the *Nimbus* boasts a high level of counting accuracy for many tasks, such as measuring pharmaceutical products or tallying small parts or components in manufacturing operations. The single display shows the number of pieces counted, while unit weight and total weight are displayed at the touch of a button.



Diminished drafts

Nimbus analytical balances with 0.0001g (0.1mg) readability are equipped with a glass-enclosed weighing chamber, which disassembles quickly for easy cleaning.

Nimbus precision balances with 0.001g (1mg) readability come with a removable, round glass shield to help minimise the effects of air movement.

Comprehensive communication

Optimised connections boost data collection capabilities and lead to exceptional information transmission. USB and RS-232 interfaces are standard, while an additional interface allows use of an optional remote display.

Whether performing basic tasks such as printing data, or advanced communication with a LIMS system, the *Nimbus* can meet the requirements. GLP printouts are available with time, date and other essential information.

Durable, space-saving design

Innovative design creates a smaller footprint, so the *Nimbus* occupies minimal space on the lab bench. Solid metal construction throughout the balance provides protection against chemicals and rigorous daily use.

Optimised configuration of the *Nimbus's* internal weighing system results in enhanced performance. Fabricated from a single block, the weighing sensor contains fewer parts than a traditional force motor balance, improving efficiency.

Features that make the Nimbus an outstanding value



Speedy Setup

Adjustable rear feet allow swift fine-tuning while monitoring the levelling indicator located prominently on the balance's front.



Multiple Connections

USB and RS-232 interfaces facilitate data communication with printers and computers.

Vivid Display

All information is easily viewed on the large backlit display.



Below-Balance Weighing

For applications that require weighing beneath the balance, the hook is readily accessible.



Intuitive Keypad

Dual tare keys are colour-coded, providing easy recognition. Balance functions and features are easy to navigate using the cursor keys to access the full selection of weighing modes.

Features

- Vivid, backlit LCD easily visible in any lighting conditions
- Colour-coded keys facilitate quick recognition of the most frequently used buttons
- Level indicator and adjusting feet ensure proper balance setup for optimum weighing results
- Removable draught shield on models with 0.001g readability helps to reduce errors caused by air currents
- Robust metal housing protects internal components in harsh environments
- Sealed keypad protects against dirt and accidental spills
- USB and RS-232 interfaces provide speedy communication with computers and printers
- Large, grade 304 stainless steel pan allows easy cleaning
- External calibration allows for verification and adjustment with weights
- Printouts include date and time for data tracking within Good Laboratory Practices (GLP) guidelines
- Selectable digital filtering helps minimise effects of vibration and disturbances
- Zero-tracking feature ensures display returns to zero reading
- Multilingual display allows use in many different countries
- AC adapter included

Accessories

| | |
|------------|---|
| 104008036 | Anti-vibration table |
| 2011013014 | Density kit for 90mm ø and 120mm ø pan |
| 2011013015 | Density kit for 160mm ø pan |
| 3012313008 | Dust cover for 0.01g and 0.001g |
| 3012313009 | In-use cover for 90mm ø pan |
| 3012313010 | In-use cover for 120mm ø pan |
| 3012313011 | In-use cover for 160mm ø pan |
| 3012313012 | In-use cover for 400x300mm |
| 1120011156 | ATP Adam thermal printer |
| 3126011263 | ATP printer paper |
| 3126011281 | ATP printer paper (pack of 10) |
| 3014011014 | RS-232 cable |
| 600002028 | Adam DU data collection program |
| 3074010267 | USB cable |
| 3011413013 | Weigh-below hook |
| 2010012712 | Battery pack |
| | (factory installed, available on select models) |
| 3012313007 | Dust cover for 0.1mg balances |
| 3014013041 | Security lock cable |
| 2010012741 | Pillar option for 300x400mm pan |

Nimbus® Precision Balances

| Model | NBL 84e | NBL 124e | NBL 164e | NBL 214e | NBL 254e | NBL 223e | NBL 423e | NBL 623e | NBL 823e |
|--------------------------|--|----------|----------|----------|----------|---|----------|----------|----------|
| Models w/ internal cal | NBL 84i | NBL 124i | NBL 164i | NBL 214i | NBL 254i | NBL 223i | NBL 423i | NBL 623i | NBL 823i |
| Capacity | 80g | 120g | 160g | 210g | 250g | 220g | 420g | 620g | 820g |
| Readability | 0.0001g | 0.0001g | 0.0001g | 0.0001g | 0.0001g | 0.001g | 0.001g | 0.001g | 0.001g |
| Repeatability (S.D.) | 0.00015g | 0.00015g | 0.0002g | 0.0002g | 0.0002g | 0.002g | 0.002g | 0.002g | 0.002g |
| Linearity (+/-) | 0.0002g | 0.0002g | 0.0002g | 0.0002g | 0.0002g | 0.002g | 0.002g | 0.002g | 0.002g |
| Pan Size | 90mm ø | | | | | 120mm ø | | | |
| Weighing Units | g, mg, ct, GN, oz, ozt, dwt, custom unit | | | | | g, kg, ct, GN, N, lb, oz, ozt, dwt, custom unit | | | |
| Stabilization Time (sec) | 3 | | | | | | | | |
| Interface | RS-232, USB | | | | | | | | |
| Calibration | External calibration / Internal calibration (models ending with i) | | | | | | | | |
| Display | Backlit LCD with 20mm-high digits | | | | | | | | |
| Power Supply | 18VDC 800mA adapter | | | | | | | | |
| Operating Temperature | 0° to 40°C | | | | | | | | |
| Housing | Extruded aluminum base with cast aluminum case | | | | | | | | |
| Draft Shield | Chamber 165x145x240mm | | | | | Round 180mm ø x 110mm | | | |
| Overall Dim. | 220x340x344mm (wxdxh) | | | | | 220x310x270mm (wxdxh) | | | |
| Net Weight | 5.5kg / 6.5kg (with internal cal) | | | | | 4.5kg / 5.5kg (with internal cal) | | | |

| Model | NBL 1602e | NBL 2602e | NBL 3602e | NBL 4602e | NBL 4201e | NBL 6201e | NBL 8201e | NBL 12001e | NBL 16001e | NBL 22001e |
|--------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|------------|------------|
| Models w/ internal cal | NBL 1602i | NBL 2602i | NBL 3602i | NBL 4602i | | | | | | |
| Capacity | 1600g | 2600g | 3600g | 4600g | 4200g | 6200g | 8200g | 12000g | 16000g | 22000g |
| Readability | 0.01g | 0.01g | 0.01g | 0.01g | 0.1g | 0.1g | 0.1g | 0.1g | 0.1g | 0.1g |
| Repeatability (S.D.) | 0.02g | 0.02g | 0.02g | 0.02g | 0.2g | 0.2g | 0.2g | 0.2g | 0.2g | 0.2g |
| Linearity (+/-) | 0.02g | 0.02g | 0.02g | 0.02g | 0.2g | 0.2g | 0.2g | 0.4g | 0.4g | 0.4g |
| Pan Size | 160mm ø | | | | | | | 300x400mm | | |
| Weighing Units | g, kg, ct, GN, N, lb, oz, ozt, dwt, custom unit | | | | | | | | | |
| Stabilization Time (sec) | 3 | | | | | | | | | |
| Interface | RS-232, USB | | | | | | | | | |
| Calibration | External calibration / Internal calibration (models ending with i) | | | | | | | | | |
| Display | Backlit LCD with 20mm-high digits | | | | | | | | | |
| Power Supply | 18VDC 800mA adapter | | | | | | | | | |
| Operating Temperature | 0° to 40°C | | | | | | | | | |
| Housing | Extruded aluminum base with cast aluminum case | | | | | | | | | |
| Overall Dim. | 220x310x270mm (wxdxh) | | | | | | | 401x460x102mm (wxdxh) | | |
| Net Weight | 4.5kg / 5.5kg (with internal cal) | | | | | | | 7.3kg | | |

Applications

- Weighing
- Parts counting
- Percentage weighing
- Dynamic / animal weighing
- Density determination