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

Nimbus® Precision Balances

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 400x300mm 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		160mm ø	
Weighing Units	g, mg, ct, GN, N, oz, ozt, dwt, T, custom unit					g, mg, ct, GN, N, lb, oz, Lb:oz, ozt, dwt, T, 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 830mA adapter								
Operating Temperature	15° to 35°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	5.3kg / 5.9kg (with internal cal)					3.1kg / 3.7kg (with internal cal)		4kg / 4.8kg (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							400x300mm		
Weighing Units	g, kg, ct, GN, N, lb, oz, lb:oz, ozt, dwt, T, 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 830mA adapter									
Operating Temperature	15° to 35°C									
Housing	Extruded aluminum base with cast aluminum case									
Overall Dim.	220x310x270mm (wxdxh)							450x515x195mm (wxdxh)		
Net Weight	3.1kg / 3.9kg (with internal cal)							7.6kg		

Applications

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

NA-2227 February 4, 2015