Nimbus®

Sky-High Performance
Down-to-Earth Value

The *Nimbus* series of balances offers a range ofodels 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 customized 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.

Minimize 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 minimize the effects of air movement.

Comprehensive communication

Optimized 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.

Features that make the Nimbus an outstanding value

Speedy Setup
Adjustable rear feet allow swift fine-tuning while monitoring the leveling 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 pertinent 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 color-coded, providing easy recognition. Balance functions and features are easy to navigate using the cursor keys to access the full selection of weighing modes.

Durable, space-saving design

Innovative design creates a smaller footprint, so the *Nimbus* occupies minimal space on the lab bench. An extruded aluminum base provides superior thermal transfer, offering greater stability and performance.

Solid metal construction throughout the balance durably withstands chemicals and rigorous daily use.

Optimized 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.

Accessories

104008036	Anti-vibration table
2010012712	Battery pack (factory installed, available on select models)
2011013014	Density kit for 3.5" ø / 90mm ø and 4.7" ø / 120mm ø pan
2011013015	Density kit for 6.3" ø / 160mm ø pan
3012313007	Dust cover for 0.1mg balances
3012313008	Dust cover for 0.01g and 0.001g
3012313009	In-use wet cover for 3.5" ø / 90mm ø pan
3012313010	In-use wet cover for 4.7" ø / 120mm ø pan
3012313011	In-use wet cover for 6.3" ø / 160mm ø pan
3012313012	In-use wet cover for 15.7"x11.8" / 400x300mm pan
3074010267	USB cable
3014011014	RS-232 cable
1120011156	ATP thermal printer
3126011263	ATP thermal printer paper
3126011281	ATP thermal printer paper (pack of 10)
600002028	Adam DU data collection program
3011413013	Weigh-below hook
3014013041	Security lock cable
2010012741	Pillar option for 15.7"x11.8" / 400x300mm pan

Nimbus® Precision Balances

Features

- Vivid, backlit LCD easily visible in any lighting conditions
- Color-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 draft 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 swift 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 minimize effects of vibration and disturbances
- Zero-tracking feature ensures display returns to zero reading
- Multilingual display permits use in various regions
- AC adapter included

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Model	NBL 84e	NBL 124e	NBL 164e	NBL 214e	NBL 254e	NBL 223e	NBL 423e	NBL 623e	NBL 823e
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	3.5" ø / 90mm ø					4.7"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								
Display	Backlit LCD with 0.8"/ 20mm-high digits								
Power Supply	18VDC 800mA adapter								
Operating Temperature	0° to 40°C / 32° to 104°F								
Housing	Extruded aluminum base with a die cast aluminum case								
Draft Shield	Chamber 6.5"x5.7"x9.4" / 165x145x240mm					Round 180mm ø x 110mm			
Overall Dim.	8.7"x13.4"x13.5" / 220x340x344mm (wxdxh)					8.7"x12.2"x10.6" / 220x310x270mm (wxdxh)			
Net Weight	12.1lb / 5.5kg					9.9lb / 4.5kg			

Model	NBL 1602e	NBL 2602e	NBL 3602e	NBL 4602e	NBL 4201e	NBL 6201e	NBL 8201e	NBL 12001e	NBL 16001e	NBL 22001e
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	6.3" ø / 160mm ø							15.7"x11.8" / 400x300mm		
Weighing Units	g, kg, ct, GN, N, lb, oz, ozt, dwt, custom unit									
Stabilization Time (sec)	3									
Interface	RS-232, USB									
Calibration	External calibration									
Display	Backlit LCD with 0.8"/ 20mm-high digits									
Power Supply	18VDC 800mA adapter									
Operating Temperature	0° to 40°C / 32° to 104°F									
Housing	Extruded aluminum base with a die cast aluminum case									
Overall Dim.	8.7"x12.2"x10.6" / 220x310x270mm (wxdxh)							15.8"x18.1"x4" / 401x460x102mm (wxdxh)		
Net Weight	9.9lb / 4.5kg							16.1lb / 7.3kg		

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