

AEADAM[®]

THE RIGHT BALANCE

Speed, Performance, Value



Nimbus[®] Precision Balances

Designed for scientists, the Nimbus series of balances offers a range of models that deliver a full breadth of precision readabilities ranging from 0.1mg to 0.1g. Innovative design enables a compact footprint, so it occupies minimal space but retains a high level of performance. The Nimbus base is formed from a single piece of extruded aluminum, a material that provides superior temperature regulation. The single-piece construction offers greater stability, producing highly repeatable results. The weighing sensor in the Nimbus is crafted from a single block, and contains fewer parts than a traditional force motor balance. This optimized internal mechanism is fabricated using hardened materials, helping the Nimbus tolerate rigorous laboratory use. Efficiency in the mechanics, plus improved processing power of the electronics, leads to excellent performance.



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 easy communication with computers and printers
- 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
- AC adapter included

Applications

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

For more than 40 years, professionals worldwide have relied on Adam Equipment for an extensive selection of dependable and affordable weighing equipment. Adam provides the right balance of speed, performance and value.

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	3.5" ø / 90mm ø					4.7"ø / 120mm ø		6.3" ø / 160mm ø	
Weighing Units	g, mg, ct, GN, N, 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 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	11.6lb / 5.25kg					6.8lb / 3.1kg			

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	6.3" ø / 160mm ø						15.7"x11.8" / 400x300mm			
Weighing Units	g, kg, ct, GN, N, lb, lb:oz, 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 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	6.8lb / 3.1kg							15.2lb / 6.9kg		