

NAHITA-BLUE LABORATORY BALANCES

Here we present our new range of laboratory balances for analytical and routine applications. From high performance equipments that offer quick and accurate measurements to simple balances for rou-

tine applications, our new range will meet your necessities.

NAHITA-BLUE PICTOGRAMS



Internal adjusting:

Quick setting up of the balance's accuracy with internal adjusting weight (motor driven).



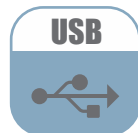
Adjusting program CAL:

For quick setting up of the balance's accuracy. External adjusting weight required.



Data interface RS-232:

To connect the balance to a printer, PC or network..



USB:

To connect the balance to a printer, PC or other peripherals.



Piece counting:

Reference quantities selectable. Display can be switched from piece to weight.



Percentage determination::

Determining the deviation in % from the target value (100 %).



Weighing units::

Can be switched to e.g. nonmetric units at the touch of a key.



Suspended weighing:

Load support with hook on the underside of the balance.



Battery operation:

Ready for battery operation. The battery type is specified for each device.



Rechargeable battery pack



Universal mains adapter:

110/220 V



Mains adapter:

230 V/50 Hz in standard version for UE.



Weighing principle: Strain gauges



Weighing principle: Electromagnetic force compensation

Coil inside a permanent magnet.

Analytical balances, Series 5134 INT and 5134 EX



- 1 | Electromagnetic force compensation technology
- 2 | Aluminum alloy die cast base and mains and stainless steel pan
- 3 | Glass windshield with lateral and upper sliding doors
- 4 | Height adjustable feet and bubble level for a correct levelling of the balance
- 5 | Easy to read LCD display with backlit
- 6 | Internal (series 5134 INT) or external (series 5134 EX) calibration; external calibration weight included
- 7 | Full capacity taring
- 8 | Hook for below weighing
- 9 | Selectable measure units: g, mg, ct, oz
- 10 | Piece counting function with selection of the reference number of pieces
- 11 | Percentage function
- 12 | Possibility of selection of different sensitivity levels and weighing speed to adapt to environmental conditions
- 13 | Overload protection
- 14 | RS232 and USB outputs



1 | Back of equipment



2 | Hook for below weighing



Model		
Series 5134 EX; External calibration	KBFO01	KBFO03
Series 5134 INT; Internal calibration	KBFO02	KBFO04
Accuracy	Class I	
Capacity máx.	120 g	220 g
Capacity min.	10 mg	10 mg
Division		0.0001 g
Verification scale value		0.001 g
Repeatability		±0.0002 g
±0.5e		0 ≤ m ≤ 50000
±1.0e		50000 < m ≤ 200000
±1.5e		200000 < m
Stabilization time		≤ 8 seconds
Operating temperature	17.5°C~22.5°C, fluctuation range < 1°C/h	
Relative humidity (RH)	50%~75%	
Pan size	Ø 80 mm	
Windshield	225x220x265 mm(L*A*H)	
Total dimensions	340x215x350 mm(L*A*H)	
Peso neto	7.2 kg	
Power	AC110-220V 50Hz / DC9V-2.2A	

Precision balances, Series 5133



- 1 | Electromagnetic force compensation technology
- 2 | Aluminum alloy die cast base and mains and stainless steel pan
- 3 | Glass windshield with lateral and upper sliding doors
- 4 | Height adjustable feet and bubble level for a correct levelling of the balance
- 5 | Easy to read LCD display with backlit
- 6 | External calibration; calibration weight included
- 7 | Full capacity taring
- 8 | Hook for below weighing
- 9 | Selectable measure units: g, mg, ct, oz
- 10 | Piece counting function with selection of the reference number of pieces
- 11 | Percentage function
- 12 | Possibility of selection of different sensitivity levels and weighing speed to adapt to environmental conditions
- 13 | Overload protection
- 14 | RS232 and USB outputs



1 | Hook for below weighing



Model	KBD001	KBD002	KBD003
Precisión Clase	II	II	I
Capacity máx.	100g	300g	500g
Capacity min.	20mg	20mg	20mg
Division		0.001g	
Verification scale value		0.01g	
Repeatability		±0.001g	
±0.5e		0≤m≤5000	
±1.0e		5000<m≤20000	
±1.5e		20000<m	
Stabilization time		≤5 seconds	
Operating temperature	15°C~30°C, fluctuation range<5°C/h		
Relative humidity (RH)	40%~80%		
Pan size	Ø 90mm		
Windshield	225x220x265 mm (L*A*H)		
Total dimensions	340x215x350 mm(L*A*H)		
Peso neto	7.2kg		
Power	AC110-220V 50Hz DC9V-2.2A		

Precision balances, Series 5173



- 1 | High precision loadcell
- 2 | Aluminum alloy die cast base and mains and stainless steel pan
- 3 | Glass windshield with lateral and upper sliding doors
- 4 | Height adjustable feet and bubble level for a correct levelling of the balance
- 5 | Easy to read LCD display with backlit
- 6 | External calibration; calibration weight included
- 7 | Full capacity taring
- 8 | Hook for below weighing
- 9 | Selectable measure units: g, ct,oz, lb, ozt
- 10 | Piece counting function with selection of the reference number of pieces
- 11 | Overload protection
- 12 | RS232 and USB outputs



1 | Back of equipment



2 | Hook for below weighing



Code	KBD004	KBD005
Capacity máx. (g)	0-100	0-300
Tare range (g)	100	300
Readability (g)	0.001	0.001
Repeatability (g)	± 0.002	± 0.002
Linearity (g)	± 0.002	± 0.002
Corner error (g)	± 0.002	± 0.002
Stabilization time	1-1.5 seconds	
Operating temperature	5-35°C	
Relative humidity (RH)	50-85%	
Pan size (mm)	90 mm	
Dimensiones (LxAxH)	295x192x280 mm	
Power	AC 220-240V / 50 Hz	

Precision and electronic balances, Series 5172 and 5171



- 1| High precision loadcell
- 2| Full plastic housing and stainless steel pan
- 3| Height adjustable feet
- 4| Simple 5 key menu for easy operation
- 5| Superbright easy to read LCD display with backlit
- 6| Overload indicator on display
- 7| Automatic calibration with external weight (weight included in models with capacity up to 1000 g)
- 8| Full capacity taring
- 9| Hook for below weighing
- 10| Selectable measure units: g, oz, ct, lb
- 11| Piece counting function with selection of the reference number of pieces
- 12| Overload protection
- 13| Power adapter supplied as standard
- 14| Possibility of working with batteries or connected to the power supply
- 15| Stabilization time 1-1.5 seconds



NOTE: **Round** pan size up to 2000 g

NOTE: **Square** pan size from 2000 g to 5000 g

SERIES 5172

Code	KBC005	KBC006	KBC007	KBC008	KBC009
Capacity max. (g)	0-300	0-500	0-1000	0-3000	0-5000
Tare range (g)	300	500	1000	3000	5000
Readability	0.01				
Pan size (mm)	135 mm (round)			155x143 mm (square)	
Dimensiones (LxAxH)	265x200x80mm				
Power	AC110-220V / DC 7.5V				

SERIES 5171

Code	KBB008	KBB009	KBB010	KBB011
Capacity max. (g)	0-1000	0-2000	0-3000	0-5000
Tare range (g)	1000	2000	3000	5000
Readability	0.1			
Pan size (mm)	135 mm (round)	155*143mm (square)		
Dimensiones (LxAxH)	265x200x80mm			
Power	AC110-220V / DC 7.5V			

Precision and electronic balances, Series 5162 and 5161



- 1 | High precision loadcell
- 2 | Full plastic housing and stainless steel pan
- 3 | Height adjustable feet
- 4 | Simple 4 key menu for easy operation
- 5 | Easy to read LCD with backlit
- 6 | Overload display indicator
- 7 | Low or charged battery display indicator
- 8 | External calibration (weight included in models with capacity up to 1000 g)
- 9 | Full capacity taring
- 10 | Selectable measuring units: g, kg, ct, T, TAR, dr, PKT, GN, TMR, gsm, tJ, mo, dwt, oz, lb, tIT, ozt, tIH, %.
- 11 | Piece counting function with selection of the reference number of pieces
- 12 | With built-in rechargeable battery; Lock/Unlock battery switch
- 13 | Power adapter supplied as standard



REF.: KBC001



REF.: KBB004

SERIES 5162

Code	KBC001	KBC002	KBC003	KBC004
Capacity máx. (g)	300	500	1000	2000
Tare range (g)	0-300	0-500	0-1000	0-2000
Readability	0.01			
Pan size (mm)	120*155mm			
Dimensiones (LxAxH)	280x180x80mm			
Power	AC110-220V / DC 7.5V			

SERIES 5161

Code	KBB004	KBB005	KBB006	KBB007
Capacity máx. (g)	1000	2000	3000	5000
Tare range (g)	0-1000	0-2000	0-3000	0-5000
Readability	0.1g			
Pan size (mm)	143*192mm			
Dimensiones (LxAxH)	280x180x80mm			
Power	AC110-220V / DC 7.5V			