

BALANCES



Model	Readability	Capacity
BXX 22 PLUS	0,00001 g	82 g
(dual range)	0,0001 g	220 g



Model	Readability	Capacity
BXX 30 PLUS	0,0001 g	310 g
BXX 31 PLUS	0,0001 g	220 g



Model	Readability	Capacity
BXX 40 PLUS	0,001 g	750 g



Model	Readability	Capacity
BXX 51 PLUS	0,01 g	4500 g
Monoblock		

BOECO BXX PLUS MODELS

Our advanced level for Semi-Micro and Analytical balances with touch-screen and internal automatic calibration.

- » 7" colour graphic touch-screen / maximum comfort of operation
- » Personal display design allows using a wide selection of widgets
- » Menu navigation selectable in many languages, interactive menu
- » Built-in IR sensors allow numerous operations (touch-free operations)
- » Conformity with GLP and GMP regulations
- » Dynamically controlled sample weight (bar graph)
- » Statistics, formulations, reports and printouts
- » Alibi memory with record of measurements
- » Complex databases
- » Kensington lock

» Functions: autotest, dosing, percent weighing, parts counting, peak hold, formulation, newton unit measurement, statistics, checkweighing, infrared sensors, under hook weighing, GLP procedures, animal weighing, air density correction, density determination, ambient conditions, replaceable unit, alibi memory, mass for titrator

Specification	BXX 22 PLUS	BXX 30 PLUS	BXX 31 PLUS
Max. capacity	82 / 220 g	310 g	220 g
Minimal load	0,001 g	0,01 g	0,01 g
Readability	0,00001/0,0001 g	0,0001 g	0,0001 g
Tare range	- 220 g	- 310 g	- 220 g
Repeatability	0,000015/0,0001 g	0,0001 g	0,0001 g
Linearity	± 0,0000/0,0002 g	± 0,0002 g	± 0,0002 g
Pan size	Open work pan ø 90 mm	ø 100 mm	ø 100 mm
Stabilization time	2 sec.	2,5 sec.	2 sec.
Calibration	Internal (automatic)		
Interface	2 x RS232, 2 x USB (A+B), WIFI, Ethernet		
Display	7" colour graphic touch-screen		
Working temperature	+10°C - +40°C		
Power Supply	110-230 V AC, 50/60 Hz		
Netweight / Grossweight	7,3 kg / 8,8 kg		
Size / Packing size	333x206x355 / 495x400x515 mm		



Our advanced level touch-screen Precision balances with internal calibration.

Specification	BXX 40 PLUS	BXX 51 PLUS
Max. capacity	750 g	4500 g
Minimal load	0,02 g	0,5 g
Readability	0,001 g	0,01 g
Tare range	- 750 g	- 4500 g
Repeatability	0,015 g	0,01 g
Linearity	± 0,003 g	± 0,02 g
Pan size	128 x 128 mm	195 x 195 mm
Stabilization time	2 sec.	1,5 sec.
Calibration	Internal (automatic)	
Interface	2 x RS232, 2 x USB (A+B), WIFI	
Display	7" colour graphic touch-screen	
Working temperature	+10°C - +40°C	
Power Supply	110-230 V AC, 50/60 Hz	
Netweight / Grossweight	3,9 / 7,2 kg	4,5 / 7,2 kg
Size / Packing size	333x206x100/170 / 530x440x410 mm	

BOECO BAS PLUS MODEL

Our Standard Analytical balance with automatic internal calibration

Display with enlarged characters, keypad with quick access buttons, communication interfaces 2 x USB (1 x to work with printers with PCL protocol) and optional WIFI

Kensington Lock, which allows to secure the device against theft.

» Functions: autotest, dosing, percent weighing, totalizing, parts counting, peak hold, Newton unit measurement, statistics, checkweighing, under hook weighing, GLP procedures, animal weighing, pipettes calibration, density determination.

Menu navigation selectable in many languages

Specification	BAS 31 PLUS
Max. capacity	220 g
Minimal load	0,01g
Readability (permissible)	0,0001 g
Tare range	- 220 g
Repeatability	0,0001 g
Linearity	± 0,0002 g
Pan size	∅ 100 mm
Stabilization time	2 sec.
Calibration	Internal (automatic)
Interface	2xRS232, 2xUSB(A+B), WIFI (optional)
Display	large LCD with backlight
Working temperature	+10°C - +40°C
Power Supply	110-230 V AC, 50/60 Hz
Netweight / Grossweight	7,3 kg / 10,7 kg
Size / Packing size	333 x 206 x 355 / 495 x 400 x 515 mm

The BAS 31 plus balance is available in an optional WIFI interface version



Model	Readability	Capacity
BAS 31 PLUS	0,0001 g	220 g



Model	Readability	Capacity
BPS 40 plus	0,001 g	750 g
BPS 41 plus	0,001 g	360 g



Model	Readability	Capacity
BPS 51 plus	0,01 g	4500 g
BPS 52 plus	0,01 g	2100 g

BOECO BPS PLUS MODELS

Our Standard Precision balances with automatic internal calibration

Display with enlarged characters, keypad with quick access buttons, communication interfaces 2 x USB (1 x to work with printers with PCL protocol) and optional WIFI.

» Functions: autotest, dosing, percent weighing, totalizing, parts counting, peak hold, Newton unit measurement, statistics, checkweighing, under hook weighing, GLP procedures, animal weighing, density determination

Menu navigation selectable in many languages

Specification	BPS 40 plus	BPS 41 plus	BPS 51 plus	BPS 52 plus
Max. capacity	750 g	360 g	4500 g	2100 g
Minimal load	0,02 g	0,02 g	0,5 g	0,5 g
Readability	0,001 g	0,001 g	0,01 g	0,01 g
Tare range	- 750 g	- 360 g	- 4500 g	- 2100 g
Repeatability	0,0015 g	0,001 g	0,01 g	0,01 g
Linearity	± 0,003 g	± 0,002 g	± 0,02 g	± 0,02 g
Pan size	128 x 128 mm		195 x 195 mm	
Stabilization time	2 sec.		1,5 sec.	
Calibration	Internal (automatic)			
Interface	2xRS232, 2xUSB (A+B), WIFI (optional)			
Display	large LCD with backlight			
Working temperature	+10°C - +40°C			
Power Supply	110-230 V AC, 50/60 Hz			
Netweight / Grossweight	3,9/7,1 kg	3,7/7,1 kg	4,5/7,1 kg	4,3/7,1 kg
Size / Packing size	333 x 206 x 100/170 / 530 x 440 x 420 mm			

All 4 BPSplus balances are available in an optional WIFI interface version

BOECO BWL MODELS

Our Basic Precision balances with external calibration and internal rechargeable accu with power charger. This makes them independent from a mains supply and therefore portable.

» Functions:

Parts counting, weighing in percent, totalising, checking, under hook weighing, animal weighing, GLP procedures, measurement in Newton.



Model	Readability	Capacity
BWL 51	0,01 g	2000 g
BWL 61	0,1 g	6000 g
BWL 60	0,1 g	10 kg

Specification	BWL 51	BWL 61	BWL 60
Max. capacity	2000 g	6000 g	10 kg
Readability	0,01 g	0,1 g	0,1 g
Tare range	- 2000 g	- 6000 g	- 10 kg
Repeatability	0,03 g	0,3 g	0,1 g
Linearity	± 0,03 g	± 0,3 g	± 0,1 g
Pan size	195 x 195 mm		
Stabilization time	3 sec.		
Calibration	external		
Interface	RS 232		
Display	LCD with backlight		
Working temperature	+15°C - +30°C		
IP rating	IP 43		
Power Supply	110-230 V AC, 50/60 Hz		
Operation time on batteries	45 hours (average time)		
Netweight / Grossweight	2,9 kg / 4,2 kg		
Size / Packing size	335x210x88 / 470x380x336 mm		



CALIBRATION WEIGHTS

cylindrical shape, nickel-plated and polished brass, packed in a lined plastic container, with DAkkS certificate

Code	Description
BOE F1-2000	Calibration weight, 2 kg, F1
BOE F1-5000	Calibration weight, 5 kg, F1
BOE F1-10000	Calibration weight, 10 kg, F1

BOECO BLC 600/ BLC 6000

Our low-cost balance. It is accurate, fast and versatile general purpose balance with weighing, counting, % weighing functions, weighing units conversion.

22 mm LCD with white LED back light display

All the keypads are light touch switches

The BLC 600 is supplied with a plastic windshield and a multiplug (EU/UK/US/AU) AC adaptor

Specification	BLC 600	BLC 6000
Max. capacity	600 g	6000 g
Readability	0,01/0,05 ct	0,1/0,5 ct
Linearity	± 0,02 g	± 0,2 g
Units	g/ct/lb/oz	g/ct/lb/oz
Calibration	Recomended adjustment weight 500 g	Recomended adjustment weight 5000 g
Tare range	Full capacity tare	Full capacity tare
Auto off	30 minutes off	30 minutes off
Operation	+10°C to +35°C / 50°F-95°F	+10°C to +35°C / 50°F-95°F
Power Source	5V/1A	5V/1A
Display	LCD 6 digits x 22 mm	LCD 6 digits x 22 mm
Dimension (LxWxH)	228 x 190 x 150 mm	228 x 190 x 80 mm
Pan size	Ø 120 mm	138 x 160 mm
Netweight	1020 g	1000 g



Model	Readability	Capacity
BLC 600	0,01 g	600 g
BLC 6000	0,1 g	6000 g

BOECO MOISTURE ANALYZER BMA H50, BMA I50

» Functions: drying modes, samples drying, water vapor permeability, halogen, humidity analysis, dry mass determination, elevated temperature level, GLP/GMP procedures.



Specification	BMA H50	BMA I50
Heating Module	Halogen emitter	Infrared emitter
Range of Drying temp	250°C	160°C
Max. capacity	50 g	
Readability	0,001 g	
Tare range	- 50 g	
Max mass sampling	50 g	
Accuracy of moisture reading	0,001 %	
Repeatability	±0,05 % (sample < 2 g) ±0,01 % (sample > 10 g)	
Max. height of tested sample	h = 20 mm	
Pan size	ø 90 mm, h = 8 mm	
Drying modes	4 drying modes (standard, quick, step, mild)	
Auto switch off options	4 options (manual, automatic, time defined, user-defined)	
Additional functions	sample identification	
Power of heating device	400 W	
Interface	1xRS232, 2xUSB (A+B), WIFI (optional)	
Display	LCD with backlight	
Working temperature	+10°C - +40°C	
Power Supply	110-240 V AC, 50/60 Hz	
Netweight / Grossweight	4,8 kg / 6,2 kg	
Size / Packing size	333x206x190 / 470x380x336 mm	

BOECO MOISTURE ANALYZER BMX H50 PLUS, BMX I50 PLUS

as the above models BMA H50 and BMA I50 but with

- » LCD 7" colour graphic touch-screen
- » The drying chamber can be opened and closed automatically using button or proximity sensors.
- » SMART DRY - prognosis of the Drying Process Result. It is an option dedicated for users who require fast and multiple estimation of the materials moisture content. SMART DRY method is a prognosis of the end result carried out before the drying process is completed.



Specification	BMX H50 PLUS	BMX I50 PLUS
Heating Module	Halogen emitter	Infrared emitter
Range of Drying temp	250°C	160°C
Max. capacity	50 g	
Readability	0,001 g	
Tare range	- 50 g	
Max mass sampling	50 g	
Accuracy of moisture reading	0,001 %	
Repeatability	±0,05 % (sample 2 g) ±0,01 % (sample 10 g)	
Max. height of tested sample	h = 20 mm	
Pan size	ø 90 mm, h = 8 mm	
Drying modes	4 drying modes (standard, quick, step, mild)	
Auto switch off options	4 options (manual, automatic, time defined, and user-defined)	
Additional functions	sample identification	
Power of heating device	400 W	
Interface	1xRS232, 2xUSB (A+B), WIFI	
Proximity sensors	2	
Display	LCD 7" colour graphic touch-screen	
Working temperature	+10°C - +40°C	
Power Supply	110-240 V AC, 50/60 Hz	
Netweight / Grossweight	5,2 kgs / 6,7 kgs	
Size / Packing size	333x206x190 / 595x395x420 mm	

ACCESSORIES FOR BMA/BMX MOISTURE ANALYZERS

Code	Description
BOE PAN90	Aluminium sample pans, round, $\varnothing = 90$ mm (box of 50)
BOE 440017	Glass fiber filters MG 161, 90 mm $\varnothing$, with binder, anorganic, 75 g/m ² (box of 50)
BOE F1-50	Calibration weight, 50 g, F1, cylindrical shape nickel-plated and polished brass, packed in a lined plastic container, with DAkkS certificate



ACCESSORIES

Code	Description
BOE KIT 85	Density determination KIT for solids and liquids, for balances featuring weighing pan $\varnothing$ 85, 90 and 100 mm
BOE KIT 128	Density determination KIT for balances with weighing pan 128 x 128 mm
BOE KIT 195	Density determination KIT for balances with weighing pan 195 x 195 mm
BOE P0108	RS 232 cable (balance-computer)
BOE USBAB	USB cable Typ A to B (balance-computer)
BOE DC-1	Dust cover for BAS / BXX Plus analytical balances
BOE DC-2	Dust cover for BPS 51 PLUS / BPS 52 PLUS, BXX 51 and BWL 51 / BWL 60 / BWL 61 balances

