

SARTORIUS

The image shows the digital display of a Sartorius BSA II scale. The display is black with white text and a yellow highlight. At the top left is a menu icon (three horizontal lines). To its right is a yellow box containing the word "CAL" in black. Below the menu icon, the following specifications are listed: "Min 10 mg", "Max 220 g", "d= 0.1 mg", and "e= 1 mg". The central display shows a large white plus sign followed by the number "200.0000" in a digital font. To the right of the number, "R1" is positioned above "G", and "g" is positioned below "G". At the bottom of the display, there are four icons: a power button icon on the left, a "0" icon, a yellow box containing a "T" icon, and a document icon on the right.

# BSA II

Basic Weighing. Done Right.

Simplifying Progress

SARTORIUS

# Everyday Weighing Deserves the Best Technology

Designed for the routine demands of lab work, the BSA II balances bring efficiency and reliability to everyday weighing. Choosing a German-designed Sartorius Balance means consistent readings with each use, allowing you to simply weigh your sample and move on to the next task without a worry.

BSA II balances capture a weighing range from 60 g up to 8,200 g. Its hybrid display provides fast and accurate readings with up to 0.0001 g readability.



## Automated Calibration and Adjustment

No need to wonder about measurement accuracy. All models with the order code I-1x come equipped with an internal calibration and adjustment feature to ensure maximum weighing accuracy and ease of use.

## Portable Design

Enjoy the convenience of a balance that goes wherever you need it. The combination of the balance and the converter cable YCC-5V-15V makes the BSA II portable.

## USB Type-C and RS232 Interfaces

Easily transfer weighing data to your computer and other Sartorius accessories. Built-in connectivity with USB Type-C port automatically detects Sartorius printers or displays. The RS232 interface ensures compatibility with existing systems, providing flexible and efficient lab operations.



## Integrated Application Programs

built-in application programs support your daily work routines. Clear instructions and intuitive indicators guide you in setting the balance parameters to meet your specific requirements with ease.

- Weighing | Dosing
- Counting
- Percentage weighing
- Mixing | Net total
- Components | Totalizing
- Animal weighing
- Calculation | Free factor
- Density determination
- Underfloor weighing feature for large samples
- Statistics
- Mass unit conversions.

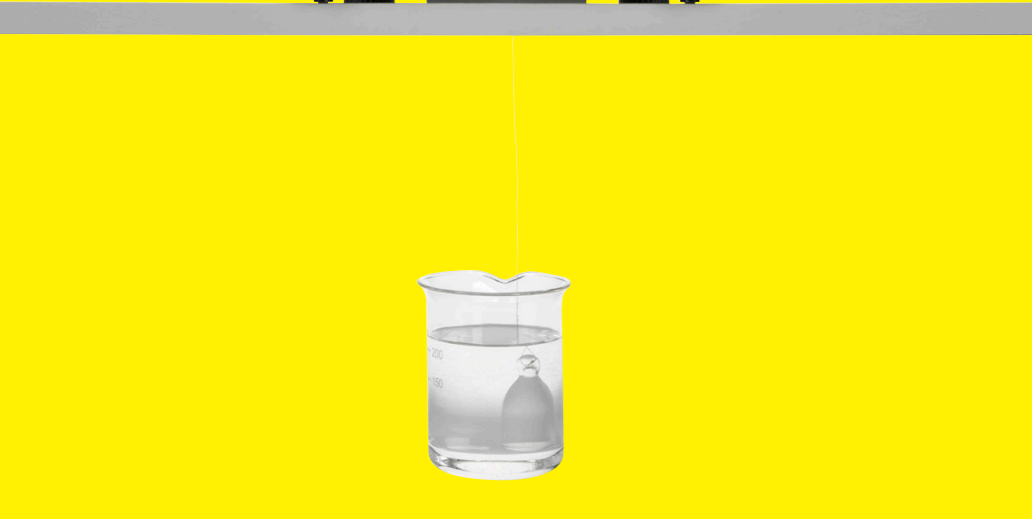




BSA II with density determination kit YDK03.



Underfloor weighing for large samples (e.g., in combination with density determination)



## Technical Specifications

### Analytical Balances

Model	Weighing	Readability	Repeatability, typical	Stabilization time, typical	Weighing pan size	Weighing chamber height*	Dimension (W x D x H)	Calibration and adjustment
	[g]	[mg]	[mg]	[s]	[mm]	[mm]	[mm]	
BSA224I-1x	220	0.1	± 0.1	≤ 2.0	Ø 90	200	219 x 317 x 306	Internal
BSA224-1x	220	0.1	± 0.1	≤ 2.0	Ø 90	200	219 x 317 x 306	External
BSA124I-1x	120	0.1	± 0.1	≤ 2.0	Ø 90	200	219 x 317 x 306	Internal
BSA124-1x	120	0.1	± 0.1	≤ 2.0	Ø 90	200	219 x 317 x 306	External
BSA64I-1x	60	0.1	± 0.1	≤ 2.0	Ø 90	200	219 x 317 x 306	Internal
BSA64-1x	60	0.1	± 0.1	≤ 2.0	Ø 90	200	219 x 317 x 306	External

### Milligram Balances

Model	Weighing	Readability	Repeatability, typical	Stabilization time, typical	Weighing pan size	Weighing chamber height*	Dimension (W x D x H)	Calibration and adjustment
	[g]	[mg]	[mg]	[s]	[mm]	[mm]	[mm]	
BSA623I-1x	620	1	± 1	≤ 1.5	Ø 120	200	219 x 317 x 306	Internal
BSA623-1x	620	1	± 1	≤ 1.5	Ø 120	200	219 x 317 x 306	External
BSA423I-1x	420	1	± 1	≤ 1.5	Ø 120	200	219 x 317 x 306	Internal
BSA423-1x	420	1	± 1	≤ 1.5	Ø 120	200	219 x 317 x 306	External
BSA323I-1x	320	1	± 1	≤ 1.5	Ø 120	200	219 x 317 x 306	Internal
BSA323-1x	320	1	± 1	≤ 1.5	Ø 120	200	219 x 317 x 306	External
BSA223I-1x	220	1	± 1	≤ 1.5	Ø 120	200	219 x 317 x 306	Internal
BSA223-1x	220	1	± 1	≤ 1.5	Ø 120	200	219 x 317 x 306	External

### Precision Balances

Model	Weighing	Readability	Repeatability, typical	Stabilization time, typical	Weighing pan size	Weighing chamber height*	Dimension (W x D x H)	Calibration and adjustment
BSA6202I-1x	6,200	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	Internal
BSA6202-1x	6,200	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	External
BSA4202I-1x	4,200	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	Internal
BSA4202-1x	4,200	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	External
BSA3202I-1x	3,200	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	Internal
BSA3202-1x	3,200	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	External
BSA2202I-1x	2,200	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	Internal
BSA2202-1x	2,200	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	External
BSA822I-1x	820	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	Internal
BSA822-1x	820	10	± 10	≤ 1.0	182 x 182	-	219 x 317 x 94	External
BSA8201I-1x	8,200	100	± 100	≤ 1.0	182 x 182	-	219 x 317 x 94	Internal
BSA8201-1x	8,200	100	± 100	≤ 1.0	182 x 182	-	219 x 317 x 94	External
BSA5201I-1x	5,200	100	± 100	≤ 1.0	182 x 182	-	219 x 317 x 94	Internal
BSA5201-1x	5,200	100	± 100	≤ 1.0	182 x 182	-	219 x 317 x 94	External
BSA2201I-1x	2,200	100	± 100	≤ 1.0	182 x 182	-	219 x 317 x 94	Internal
BSA2201-1x	2,200	100	± 100	≤ 1.0	182 x 182	-	219 x 317 x 94	External


\* upper edge of the weighing pan to the lower edge of the upper draft shield panel

## USA

Sartorius Corporation  
3874 Research Park Dr.  
Ann Arbor, MI 48108  
Phone +1 734 769 16006

## Germany

Sartorius Lab Instruments GmbH & Co. KG  
Otto-Brenner-Strasse 20  
37079 Goettingen  
Telefon +49 551 308 0

 For further contacts, visit  
[www.sartorius.com](http://www.sartorius.com)