

BM-S series
Analytical Balances
Setup Instructions

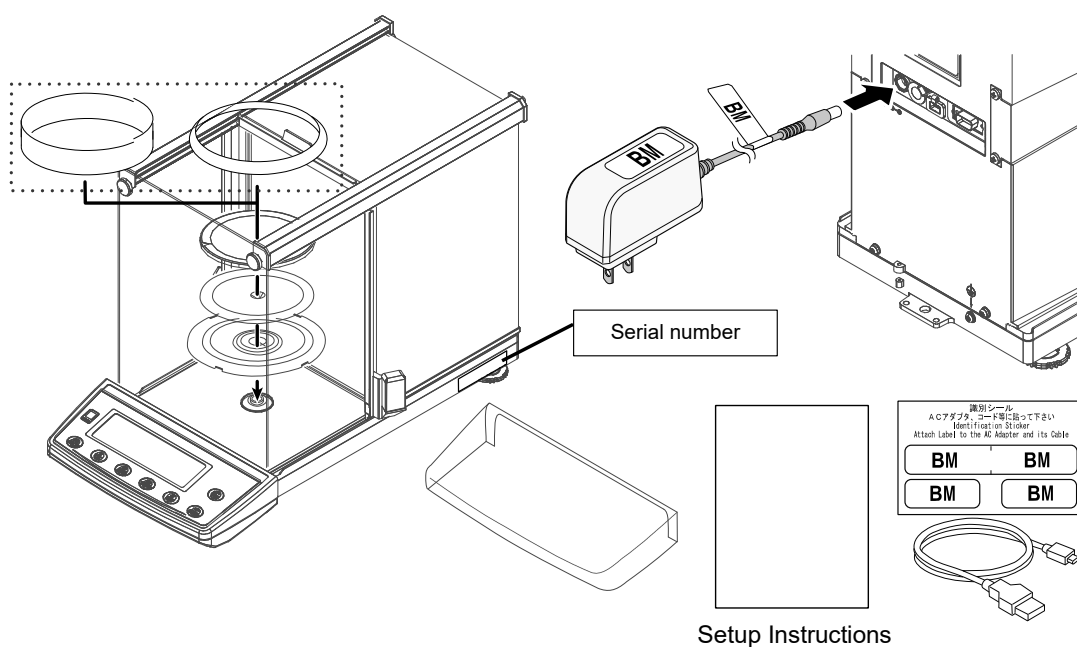


Scan this QR code for the manual.

BM-225DS / BM-125DS

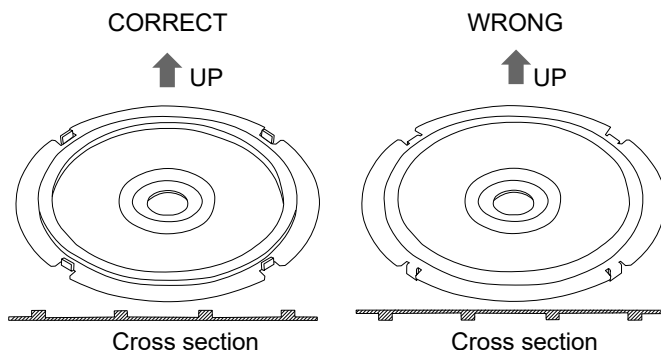
- Please refer to the section titled "**Installation considerations, preparation and precautions**" in the instruction manual.
- The balance is a precision instrument. Unpack the balance carefully.
- Please confirm that all accessories are included.
- We recommend keeping the packaging materials for future transportation, such as when sending the unit for repairs.

Assemble the unit as shown in the diagram.



CAUTION

- Install the dust plate in the correct orientation as shown in the figure below.



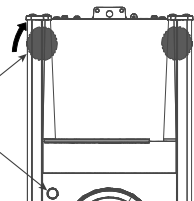
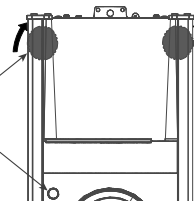
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⚠ CAUTION

- ❑ Use the designated AC adapter.
- ❑ Install in a room with minimal dust.
- ❑ Place the balance on a sturdy weighing table.
- ❑ Do not place the balance where it is directly exposed to air from air conditioners, etc.
- ❑ Do not install the balance in areas with corrosive or flammable gases.
- ❑ Before use, keep the AC adapter connected and powered on for at least one hour.
- ❑ After installation, perform sensitivity adjustment to ensure accurate weighing.

How to adjust the level of the balance

○ Center circle of the bubble spirit level ● Bubble

Bubble spirit level	Procedure	How to adjust the leveling feet
 The right side of the balance is higher than the left side.	Step 1 Adjust the left-to-right tilt: Turn the leveling feet to adjust the height. (In this example, the left side is raised as shown in the figure on the right.)	Raise the left side. (Turn the leveling feet as shown.)  Leveling foot Bubble spirit level
 The front of the balance is higher than the rear.	Step 2 Adjust the front-to-rear tilt: Turn the leveling feet to adjust the height. (In this example, the rear side is raised as shown in the figure on the right.)	Raise the rear side. (Turn the leveling feet as shown.)  Leveling foot Bubble spirit level

Specifications

	BM-255DS	BM-125DS
Weighing capacity	250 g	120 g
	101 g	51 g
Readability	0.1 mg (0.0001 g)	0.1 mg (0.0001 g)
	0.01 mg (0.00001 g)	0.01 mg (0.00001 g)
Repeatability (Standard deviation)	0.1 mg (250 g)	0.1 mg (120 g)
	0.03 mg (100 g)	0.03 mg (50 g)
	0.02 mg (50 g)	
Linearity	±0.2 mg	±0.2 mg
Weighing pan size	φ 90 mm	
Net weight	Approx. 10 kg	
External dimensions	259 (W) × 466 (D) × 326 (H) mm	
Operating environment	5°C to 40°C (41°F to 104°F), 85%RH or less (non-condensing)	
Power (AC adapter)	AC adapter: Confirm that the adapter type is correct for the local voltage and plug type. Power consumption: approx. 30 VA (including the AC adapter).	
Current consumption	DC 12V, Approx. 0.3A (excluding AC adapter and options)	