MC-M series

Mass Comparator

Setup Instructions

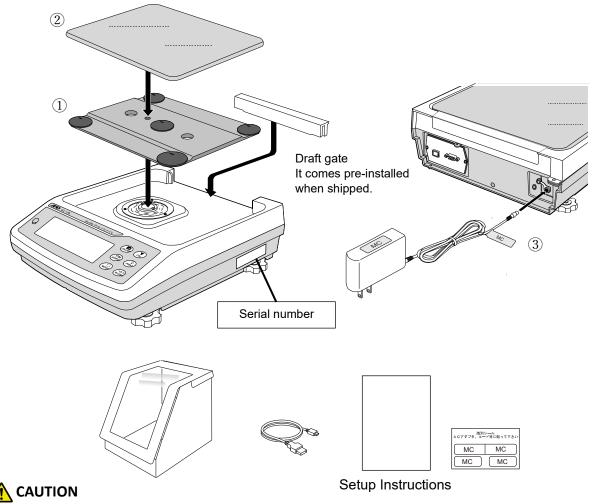
MC-10203M / MC-32002M



Scan this QR code for the manual.

- □ Please refer to the section titled "Precautions Before Use" 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.





- 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

O Center circle of the bubble spirit level Bubble

Bubble spirit level	Procedure	How to adjust the leveling feet
The left side of the balance main unit is tilted high.	Step 1 Adjust the right-left tilt:	Leveling foot
	Turn the leveling feet to adjust the height. (In this example, the right side is raised as shown in the figure on the right.)	Raise the right side. (Turn the leveling feet as shown.) Bubble spirit level
		Bubble spirit level
	Step 2 Adjust the front-rear tilt:	Leveling foot
The rear side of the balance main unit is tilted high.	Turn the leveling feet to adjust the height. (In this example, the front side is raised as shown in the figure on the right.)	
	Step 3	Bubble spirit level If any of the leveling feet is
	Check the leveling feet:	off the floor, turn the lifted
The balance is level.	Check that the leveling feet at the four corners are not lifting off the floor. If any of the leveling feet is off the floor, turn the lifted foot until it contacts the floor. Be careful not to misalign the bubble with the center circle.	foot until it contacts the floor. (Turn the leveling foot as shown.) Floor on which the balance is installed.

Specifications

	MC-10203M	MC-32002M	
Weighing capacity	10.2 kg	32.2 kg	
Readability	0.001 g	0.01 g	
Repeatability*1 (Standard deviation)	0.0035 g / 2 kg to 10 kg 0.0015 g / 2 kg less than	0.05 g / 20 kg to 30 kg 0.015 g / 20 kg less than	
Linearity*1	±0.03 g	±0.2 g	
Accuracy after sensitivity adjustment using the internal weight*2	±0.150 g	±1.50 g	
Weighing pan size	270 × 210 mm		
Main body weight	Approx. 9.3 kg		
External dimensions	300(W) × 355(D) × 111(H) mm		
Operating environment	5°C to 40°C (41°F to 104°F), 85	%RH or less (No condensation)	
Power (AC adapter)	AC adapter Confirm that the adapter type is correct for the local voltage and plug type.		
Power consumption	DC 12V Approx. 0.2A (excluding AC adapter and options)		
Dust and water protection	Complying with IP65		

^{*1} When the auto-centering pan is used or when loading and unloading are performed at the same place using the automatic loading machine under good ambient conditions.

^{*2} The operating environment must be free from sudden changes in temperature or humidity, vibration, airflow, magnetic fields, and static electricity.