

BM Series Additional Information

Overview

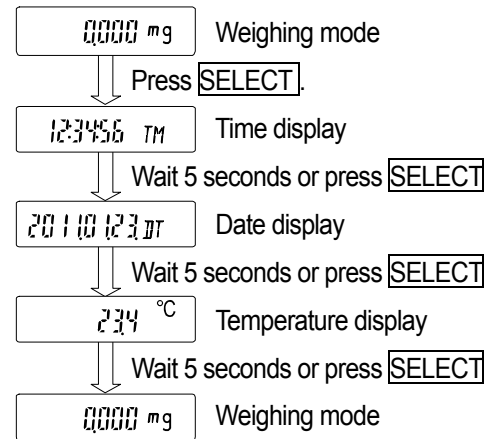
(Supported software versions: P-1.20 and later)

This supplementary manual describes functions that have been added to the BM series.

- Temperature measurement during weighing:
 - The balance has an embedded temperature sensor.
 - The temperature of the setup environment of the balance can be displayed and output.
 - Measurement precision is $\pm 1.5\text{ }^{\circ}\text{C}$ (between 5 and 40 $^{\circ}\text{C}$).
 - *The result is temperature inside the balance.
- External control of the static charge eliminator (Ion function):
 - By connecting an AD-8922A remote controller or using the external input on the rear of the balance, the static charge eliminator can be switched on and off without needing to press a button on the balance.

Displaying the Temperature

- In the weighing mode, press the **SELECT** key. The display shows each of the following items for 5 seconds in the following order: time, date, and temperature. After all items have been displayed, the display returns to the weighing mode. To proceed to the next item while an item is displayed, press the **SELECT** key.



*The unit for display is $^{\circ}\text{C}$.

Outputting the Temperature

- To add the temperature to the weighing data output, select the “*dout*” (data output) settings and change the “*5-tP*” (add temperature) setting.

Temperature output setting (added after the setting “*Ar-d*”)

<i>dout</i> Data output	<i>Ar-d</i>	■ <i>oFF</i>	Not used	}
	Zero after output	<i>oN</i>	Used	
	<i>5-tP</i>	■ <i>oFF</i>	Do not output temperature	
	Add temperature	<i>oN</i>	Output temperature	

■ Factory setting

Data format for temperature output

Temperature *dout* *5-tP* *oN* *The unit for output is “C”.

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External Control of the Ion Function (Static Charge Eliminator)

- To assign the Ion function to the MODE key of the AD-8922A remote controller, select the “*IonFnc*” (Static elimination) settings and change the “*8922*” (AD-8922A control) setting.
- To assign the Ion function when using both the AX-T-314A-S external key plug and AX-SW128 foot switch (both sold separately), select the “*IonFnc*” (Static elimination) settings and change the “*E-5*” (external input control) setting.

Ion function control settings (added after the setting “*Ion*”)

<i>IonFnc</i> Static eliminator	<i>Ion</i> Neutralization time	■ 0	3 seconds	}
		/	10 seconds	
		2	Manual operation (max. 10 min.)	
	<i>8922</i> AD-8922A control	■ <i>off</i>	Do not control the Ion function with the AD-8922A	
		■ <i>on</i>	Assign the Ion function to the MODE key of the AD-8922A.	
	<i>E-5</i> External input control (See the figure below for terminals)	■ 0	1. PRINT key, 2. RE-ZERO key	
		/	1. PRINT key, 2. ION key	
		2	1. ION key, 2. RE-ZERO key	

■ Factory setting

*External key plug
AX-T-314A-S
(Sold separately)

