Quick Operation Guide



** is a reference page for the instruction manual <full version> (PDF file) listed on Shimadzu Corporation website. Download it using the below URL or the 2D code. https://www.shimadzu.com/an/products/balances/analytical-balances/at-r-series/



No.	Key	Press Once and Release	Press and Hold for About 3 Seconds
0	(BREAK)	Switches between the operation and standby modes	_
2	[CAL]	Performs calibration	Enters the calibration menu
3	→0/T← [O/T]	Tares the balance (setting it to zero)	Opens the zero / tare menu
0	(9) [UNIT] ▲	In the weighing mode: Used to select the unit When piece counting: Displays the unit weight When performing percentage weighing: Displays the reference weight	In the weighing mode: Opens the unit setting menu When piece counting: Used to select the item numbe When performing percentage weighing: Used to select the percentage reference
6	[MENU] ▼	Turns the smart setting mode on.	Switches between the weighing mode and the application function mode
6	PRINT] ▶	Outputs the weight reading to a peripheral device (printer or PC)	Opens the data output menu

Display	panel		
weighing value	PI PO REA		AP WIN AP MIN AP
No. Display	Name	Descrip	tion Reference*
0 🔼	Battery symbol	Lights up when the battery voltage	is low. —

No.	Display	Name	Description	Reference*
0		Battery symbol	Lights up when the battery voltage is low.	
0	o t	Zero tracking symbol	Lit when the zero tracking function is set ON.	
3	PSC	Perfect Self Calibration symbol	Blinks before Perfect Self Calibration starts.	I € P.56
4		Weight symbol	This symbol is lit during calibration.Blinks when calibration is necessary for a verified balance as a legal measuring instrument.	D € P.50
6	RLLLS	Easy setting indicator	Indicates what level the response and stability are currently set to.	1 3 P.72
6	<u></u>	Pouring symbol	Lit when the pouring mode is set.	D ₽.71
0	ø.	Formulation symbol	Lit during mixing measurement (formulation) operations.	摩 P.102
8		Menu lock symbol	Lit while the menu is locked.	D P.48
9	0	Menu operation key symbol	Indicates that the menu option currently displayed requires confirm and set operations when is displayed in the middle. Indicates that a higher or lower level exists in the menu hierarchy when arcs are displayed on the right and left side. Indicates that other menu options can be selected when arcs on the upper and lower side is displayed.	I € P.43

No.	Display	Name	Description	Reference*
10	AP	Auto print symbol	Lit when the Auto Print function is set.	珍 P.111
0	M	Communication symbol	Indicates that data is being exchanged with an external device.	-
æ	HI OK LO	Comparator symbol	When the comparator function (Checkweighing) has been set, indicates the comparison judgment.	I S P.107
ß	→	Stability mark	Lit when the weight reading is stable. Lit when the option currently set in menu setting is displayed.	D P.44 D P.70
1		Minus symbol	Lit when the weight reading is negative.	-
(B	READY	Ready symbol	Lit during the standby mode. During weighing, lit to indicate the ready to weigh status, for example when using the mixing measurement.	D P.41 D P.102
16	#	Number symbol	Lit when it is possible to enter numerical values.	D P.45
Ø	*	Hold symbol	Lit when a value that is not the real-time weight reading (for example the indication of the unit weight in piece counting) is displayed.	D P.85 D P.90
ß	NET	Net weight symbol	Indicates that the weight reading displayed in mixing measurement (formulation) is the net weight of the current component with the weight of the container and prior components. Also indicates that a measuring operation is in progress.	I ≨ P.103
19	G	Gross weight symbol	Indicates that the weight reading displayed in mixing measurement (formulation) is the total weight of all of the components of the mixture with the weight of the container subtracted.	I S P.103
20	1 2 3 4 5	Item number indication	Shows the item number in the piece counting mode.	D P.83
a	٧	Inverse triangle symbol	Will be displayed during specific gravity measurement. Or if displayed when the decimal place of the conversion coefficient is changed to an arbitrary setting for each user, a value with no decimal point can be input	I S€ P.46
22	PCS	Piece counting symbol	Lit while the piece counting mode is in effect.	D P.82
3	% ₀	Specific percentage weighing symbol	Lit when the specific percentage reference has been set for percentage weighing.	D € P.89
2	%	Percentage weighing symbol	Lit during percentage weighing.	1 3 P.90

Menu Map Sheet

Refer to the instruction manual <full version> ("Menu Settings" P.42) for details on how to interpret the menu map and the menu settings structure.

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