

# Micro and Semi-Micro balances

## Effortless microgram weighing thanks to the following features:

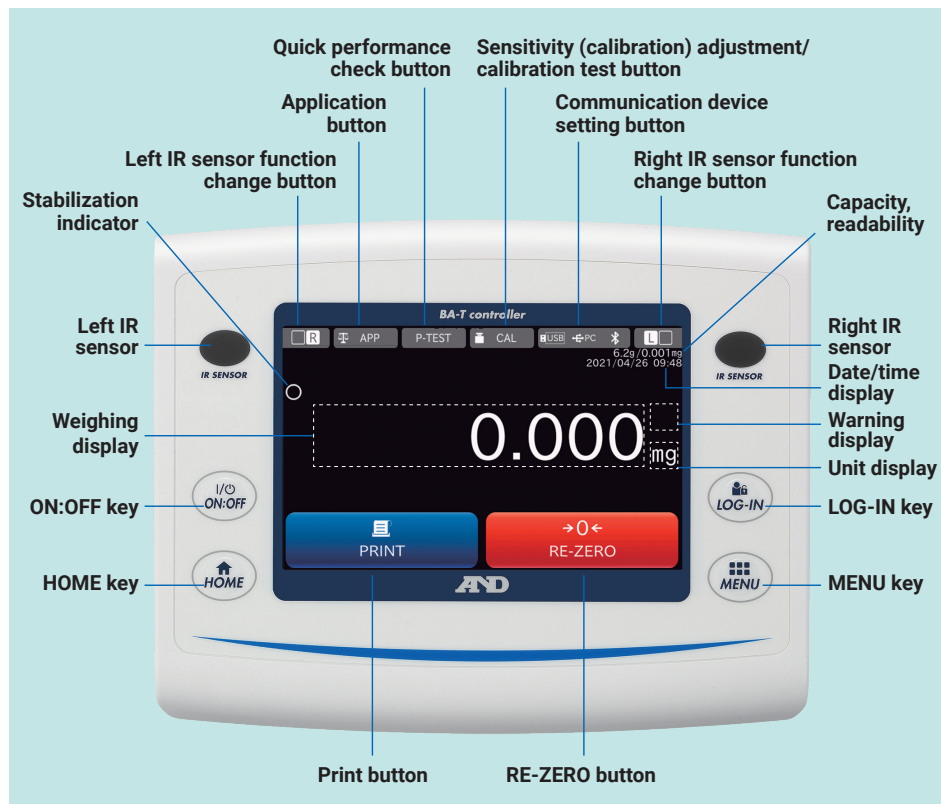
- Capacities from 6 g (micro) to 220 g (semi-micro) can cover a range of laboratory weighing applications.
- Small separate weighing chamber with standard external ionizer maximizes balance stability and performance.
- Automatic doors with left and right IR sensors and top suspension for smooth operation.
- Removable anti-static glass panels for easy cleaning and replacement.
- 5 Inch color touch screen display with dedicated quick access keys enhances user experience.
- Minimum weight, user management control, and GLP printing ensure compliance.
- Quick performance test, automatic or user initiated sensitivity (calibration) adjustment with environmental data logger for maximum precision, traceability and repeatability.
- Daily and periodic check for level with on screen leveling assist ensure optimal balance performance.
- Connectivity features include standard RS232, USB-B, USB-A, Ethernet TCP/IP, Bluetooth and 2 external device inputs for easy connectivity to any LIMS system.



0.001 mg models (micro balances)



0.01 mg models (semi-micro balances)

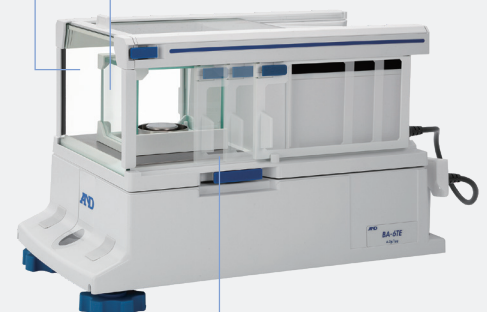


### Draft Shield

Flexible door positioning ensures maximum visibility to the weighing chamber.

#### Inner Draft Shield for 0.001 mg models

For an extra level of stability and protection.  
\*Patent pending



#### Automatic Doors

Set the opening distance to full, half, or to a preferred distance.

#### Easy Leveling Feet

Effortless leveling due to the front level indicator, 2 adjustable feet (opposed to 4) and on-screen leveling assist.

Specifications

		BA-6TE	BA-6DTE	BA-225TE	BA-225DTE	BA-125DTE
Capacity		6.2 g	2.1 g / 6.2 g <sup>i</sup>	220 g	51 g / 220 g <sup>i</sup>	51 g / 120 g <sup>i</sup>
Readability		0.001 mg	0.001 mg / 0.01 mg	0.01 mg	0.01 mg / 0.1 mg	0.01 mg / 0.1 mg
Repeatability (standard deviation) <sup>ii</sup>		0.0010 mg (for 1 g) 0.0030 mg (for 6 g)	0.0025 mg (for 1 g) 0.01 mg (for 6 g)	0.015 mg (for 50 g) 0.03 mg (for 200 g)	0.025 mg (for 50 g) 0.1 mg (for 200 g)	0.030 mg (for 50 g) 0.1 mg (for 100 g)
Minimum weight <sup>iii</sup> (typical)		1.8 mg	4.0 mg	20 mg	32 mg	50 mg
Linearity		±0.010 mg	±0.010 mg / ±0.02 mg	±0.15 mg	±0.2 mg	±0.2 mg
Stabilization time (typical when set to FAST)		Approx. 10 secs	Approx. 10 secs / 10 secs	Approx. 7 secs	Approx. 7 secs / 3 secs	Approx. 7 secs / 3 secs
Internal weight <sup>iv</sup>		Approx. 5 g		Approx. 100 g		
Sensitivity drift		±2 ppm/°C (10 to 30 °C/50 to 86 °F, when automatic self sensitivity adjustment is OFF)				
Operating environment		5 to 40 °C (41 to 104 °F), 85%RH or less (no condensation)				
Display unit		5-inch WVGA, TFT LCD color touch screen (resistive type) with two IR sensors				
Display refresh rate		5 times/sec or 10 times/sec				
Units of measure		mg (milligram), g (gram), oz (ounce), ozt (troy ounce), ct (metric carat), mom (momme), dwt (pennyweight), gr (grain), pcs (counting mode), and % (percent mode)				
Counting mode	Minimum unit mass	0.1 mg				
	Number of samples	10, 25, 50 or 100 pieces				
Percent mode	Minimum 100% reference mass	10.0 mg				
	% readability	0.01%, 0.1%, 1% (depends on the reference mass stored)				
Communication interface		RS-232C (D-Sub 9P), USB-A, USB-B (mini B), Ethernet (TCP/IP), External key input × 2, Bluetooth <sup>®v</sup>				
Applicable weights for calibration test/sensitivity adjustment		Any weight between 1 and 5 g		Any weight between 10 and 200 g		Any weight between 10 and 100 g
Weighing pan size		Ø25 mm		Ø85 mm		
External dimensions	Display unit	182 (W) × 138 (D) × 73 (H) mm				
	Weighing unit + breeze break unit	173 (W) × 305 (D) × 204 (H) mm		173 (W) × 305 (D) × 284 (H) mm		
	External ionizer	68 (W) × 129 (D) × 162 (H) mm				
Net weight	Display unit + weighing unit + breeze break unit	6.2 kg		6.7 kg		
	External ionizer	0.4 kg				
Power supply / consumption		AC adapter / approx. 36 VA				
Standard accessories		External ionizer × 1, Three sizes of aluminum analytical pans × 10 each <sup>vii</sup> , Filter weighing pan (Ø50 mm) × 1 <sup>vii</sup> , Tweezers for calibration weight × 1, Micro spatula × 1				

i. Smart range function: Automatically switches between the precision and standard ranges. Changes back to full precision range when the RE-ZERO (tare) operation is implemented.

ii. Repeatability can vary depending on the environmental conditions

iii. Pursuant to the United States Pharmacopeia (USP) Chapter 41

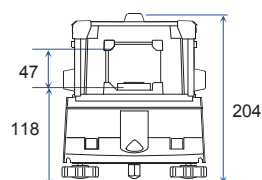
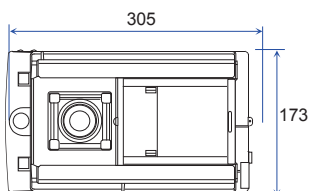
iv. The mass of the internal weight may change over time due to on-site environmental conditions and/or degradation with age.

v. The Bluetooth<sup>®</sup> function is currently enabled for the US, Canada and Japan only.

Dimensions

BA-6TE / BA-6DTE

Unit: mm



BA-225TE / BA-225DTE / BA-125DTE

Unit: mm

