

# 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 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.
- Large, bright, reverse-backlit LCD is easy to view from a distance or at an angle.
- 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
- Connectivity features include standard RS232, USB-B, and 2 x external device inputs.

### Draft Shield

Flexible door positioning ensures maximum visibility to the weighing chamber.

### Inner Draft Shield for 0.001 mg models

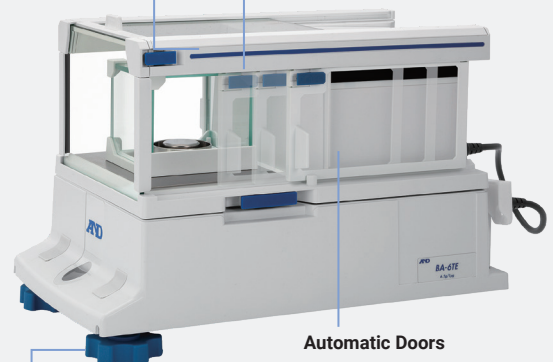
For an extra level of stability and protection.  
\*Patent pending

### Easy Leveling Feet

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

### Automatic Doors

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



## Specifications

		BA-6E	BA-6DE	BA-225	BA-225D	BA-125D
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		Reverse backlit LCD, 11 segment, 17.8 mm height				
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-232 (D-sub 9P), USB-B (mini B), External key input x 2				
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		N/A		
Net weight	Display unit + weighing unit + breeze break unit	6.2 kg		6.7 kg		
	External ionizer	0.4 kg		N/A		
Power supply / consumption		AC adapter / approx. 36 VA				
Standard accessories		External ionizer × 1 <sup>v</sup> , Three sizes of aluminum analytical pans × 10 each, Filter weighing pan (Ø50 mm) × 1, 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

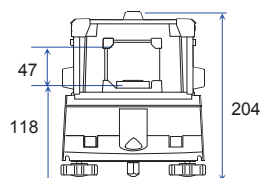
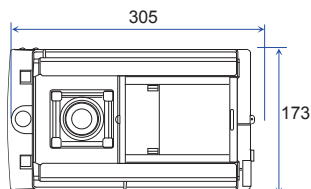
iv. The mass of the internal weight may change over time due to on-site environmental conditions and/or degradation with age.

v. For 0.001 mg models

## Dimensions

### BA-6E / BA-6DE

Unit: mm



### BA-225 / BA-225D / BA-125D

Unit: mm

