

Premium-Level Semi-Micro/Analytical Balances



Equipped with a vibrant 5-inch color touchscreen, the BH-T series offers maximum operability, enhanced functionality, and a broader range of solutions for advanced weighing tasks. All models include an external ionizer (static eliminator), automatic doors, multiple draft prevention safeguards, and intuitive navigation to streamline your workflow.

Features

- 5-inch Color Touchscreen for maximum operability and enhanced functions
- Standard External Ionizer for removing static from delicate measurement substances
- Draft and Convection Deterrence with concentric slots and high-profile breeze break ring for maximum stability
- Various Application Modes including Formulation, HPLC, and Density measurements

Benefits

- Automatic Opening/Closing Breeze Break for touchless operation when wearing gloves
- Easy Disassembly Design for fast, efficient cleaning and maintenance of the unit
- Impact Shock Detection (ISD) to help avoid errors or damage due to impact loads
- Operation history for records of user logins, settings adjustments, and ISD history

Specifications

Specifications		BH-225TE	BH-225DTE	BH-224TE	BH-324TE
Capacity x Readability		220 g x 0.01 mg	51 g / 220 g ⁱ x 0.01 mg / 0.1 mg ⁱ	220 g x 0.1 mg	320 g x 0.1 mg
Repeatability (std. deviation) ⁱⁱ		0.015 mg (for 50 g) 0.03 mg (for 200 g)	0.025 mg (for 50 g) 0.1 mg (for 200 g)	0.09 mg	0.1 mg
Minimum weight ⁱⁱⁱ (typical)		17 mg		104 mg	
Linearity		±0.10 mg	±0.2 mg		
Stabilization time (typical when set to FAST)		Approx. 7 secs	Approx. 7 secs / 3 secs	Approx. 3 secs	
Display		5-inch WVGA, TFT LCD color touch screen (resistive type) with two IR sensors			
Display language ^{iv}		English, French, German, Italian, Dutch, Spanish, Portuguese, Russian, Korean, Chinese, Japanese			
Counting mode	Minimum unit mass	0.1 mg			
	Number of samples	10 to 100 pieces			
Communication interface		RS-232C (D-Sub 9P), USB (Type-A), USB (Type-C), Ethernet (TCP/IP), External key input, Bluetooth ^{®v}			
Applicable weights for calibration test/sensitivity adjustment		Any weight between 10 and 200 g			
Standard accessories		AD-1683A external ionizer x 1, High-profile breeze break ring x 1 ^{vi} , Low-profile breeze break ring x 1, AD-1689 tweezers for calibration weight x 1 ^{vi} , Micro spatula x 1 ^{vi} , Large and small cleaning brushes x 1 each, Weigh boat (antistatic, 10 ml) x 10, USB cable (2 m) x 1			
Internal weight ^{vii}		Approx. 200 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 refresh rate		5 times / second or 10 times / second			
Units of measure ^{viii}		mg (milligram), g (gram), oz (ounce), ozt (troy ounce), ct (metric carat), mom (momme), dwt (pennyweight), gr (grain), pcs (counting mode), and % (percent mode)			
Percent mode	Minimum 100% reference mass	10.0 mg			
	% readability	0.01%, 0.1%, 1% (depends on the reference mass stored)			
Weighing pan size		Ø90 mm			
External dimensions (WxDxH)		265 x 442 x 381 mm			
Net weight		Approx. 8 kg			
Power supply / consumption		AC adapter / approx. 36 VA			

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 worsen depending on the environmental conditions and operator skills.

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

iv. Certain functions are only available in English and Japanese.

v. The Bluetooth[®] function is currently enabled for the US, Canada and Japan only.

vi. For 0.01 mg models

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

viii. Either tael (Singapore/HK jewelry/Taiwan) or tola can be added upon request.

Options

AD-1653	Density determination kit	AX-BM-NEEDLESET	Discharge electrode units for the ionizer (a set of 4 pcs)
AD-1671	Anti-vibration table for balances	AX-HOLDER-SET-B	Sample cup holder set (antistatic)
AD-1672/AD-1672A	Tabletop breeze break (large)	AX-IR-SWITCH	External IR switch
AD-1684A	Electrostatic field meter		Can be added to the ionizer if you prefer not to put a hand or sample close to the IR sensor of the ionizer.
AD-1687	Weighing environment logger		
AD-1688	Weighing data logger		
AD-8129TH	Compact printer		
AX-BHT-31	Display cover for the BH-T series (5 pcs)	AX-SW137-PRINT	Foot switch for PRINT (with connector)
AX-BH-PAN-01	Weighing pan (perforated)	AX-SW137-REZERO	Foot switch for RE-ZERO (with connector)
AX-BH-PAN-02	Weighing pan (non-perforated)		



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