

BL Series

High-precision Electro-magnetic Balances



BL3200HL

Very quick response

Very fast response makes a great difference. Even repeated weighing work is comfortable and efficient.



Compact body

The BL Series provides a high-precision electromagnetic system that is just as compact as a portable scale.

High stability

The high stability mode of the BL Series produces steady readings even under poor environmental conditions.

Various unit conversions

Percentage mode, and various unit conversions are standard. Switching between these functions and units is a simple key-touch.

Analog bar display

Remaining weighing capacity can be seen at a glance. Especially helpful when filling containers on the balance.

Square pan

Equipped with square pan for ease of operation.

Interface Capabilities

Optional EP-60A printer can be connected directly to BL Series balances to produce reports. An optional interface is available to enable communication with a PC.

Piece Counting Function

Quantity can be read as soon as parts are placed on the pan. To set, just load ten pieces and press the key. Pressing the key at 20, 50, or 100 pieces will produce even greater precision, especially for smaller parts. Switching between piece counting and gram display is a single key-touch.



BL Series

High-precision Electronic Balance

Specifications



BL220H
BL320H



BL320S



BL620S
BL3200S
BL2200H
BL3200H

Model	BL3200HL NEW	BL3200H NEW	BL2200H	BL320H NEW	BL220H	BL3200S	BL620S	BL320S
Capacity	3200g	3200g	2200g	320g	220g	3200g	620g	320g
Minimum display	0.01g	0.01g	0.01g	0.001g	0.001g	0.1g	0.01g	0.01g
Repeatability (standard deviation)	$\sigma \leq 0.01g$	$\sigma \leq 0.01g$	$\sigma \leq 0.01g$	$\sigma \leq 0.001g$	$\sigma \leq 0.001g$	$\sigma \leq 0.06g$	$\sigma \leq 0.01g$	$\sigma \leq 0.006g$
Linearity	$\pm 0.03g$	$\pm 0.03g$	$\pm 0.02g$	$\pm 0.003g$	$\pm 0.002g$	$\pm 0.1g$	$\pm 0.01g$	$\pm 0.01g$
Response time (approx.)	1.0 – 1.2 sec.					0.8 – 1.0 sec.		
Ambient temperature	5 – 40°C / 41 – 104°F							
Temperature coefficient of sensitivity (10 – 35°C)	$\pm 5ppm/^\circ C$ (10 – 30°C)		$\pm 3ppm/^\circ C$	$\pm 5ppm/^\circ C$ (10 – 30°C)	$\pm 3ppm/^\circ C$	$\pm 10ppm/^\circ C$		
Pan size (mm)	160 × 124 (mm)			100 × 100 (mm)		160 × 124 (mm)		100 × 100 (mm)
Dimensions (approx.)	170W × 240D × 75H mm							
Weight (approx.)	2.2 kg							
Power requirements	AC adapter; 90V – 264V, -15% – +10%, 50/60Hz							
Standard accessories	Protective in-use cover			Simple windbreak (brown smoke color), Protective in-use cover		Protective in-use cover		
Display	LCD with back light			LCD				

The contents of this catalog are subject to change without notice.

Peripherals



URL <http://www.shimadzu.com/balance>

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Overseas Offices

Istanbul, Beijing, Shanghai, Guangzhou, Shenyang, Chengdu, Moscow

■ Electronic Printer EP-60A

For printing measurement data and storing calibration records.

- Can be connected to the electronic balance directly (special interface not required); and
- Provides statistical functions.

■ IFB-102A

RS-232C Interface

■ AC Adaptor for EP-60A Electronic Printer

For 120/220 VAC