



BL3200H

High-precision Electro-magnetic Balances

BL Series

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 electro-magnetic 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-80 / 90 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-220H
BL-320H



BL-320S



BL-620S
BL-3200S
BL-2200H
BL-3200H

Specifications

Model	BL3200HL	BL3200H	BL2200H	BL320H	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				

Peripherals

- **AC Adaptor for EP-80 / 90**
Electronic Printer EP-80 / 90
For 120/220 VAC
- **IFB-102A**
RS-232C Interface



Company names, product/service names and logos used in this publication are trademarks and trade names of Shimadzu Corporation and its affiliates, whether or not they are used with trademark symbol "TM" or "®". Third-party trademarks and trade names may be used in this publication to refer to either the entities or their products/services. Shimadzu disclaims any proprietary interest in trademarks and trade names other than its own.

For Research Use Only. Not for use in diagnostic procedures. The contents of this publication are provided to you "as is" without warranty of any kind, and are subject to change without notice. Shimadzu does not assume any responsibility or liability for any damage, whether direct or indirect, relating to the use of this publication.