SHIMADZU
Excellence in Science

BL-3200H

High-precision Electronic 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 electronic 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-100/110 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	BL-3200HL	BL-3200H	BL-2200H	BL-320H	BL-220H	BL-3200S	BL-620S	BL-320S
Capacity	3200 g	3200 g	2200 g	320 g	220 g	3200 g	620 g	320 g
Minimum display	0.01 g	0.01 g	0.01 g	0.001 g	0.001 g	0.1 g	0.01 g	0.01 g
Repeatability (standard deviation)	σ ≤ 0.01 g	σ ≤ 0.01 g	σ ≤ 0.01 g	σ ≤ 0.001 g	σ ≤ 0.001 g	σ ≤ 0.06 g	σ ≤ 0.01 g	σ ≤ 0.006 g
Linearity	± 0.03 g	± 0.03 g	± 0.02 g	± 0.003 g	± 0.002 g	± 0.1 g	± 0.01 g	± 0.01 g
Response time (approx.)	1.0–1.2 sec.					0.8–1.0 sec.		
Ambient temperature	5–40°C							
Temperature coefficient of sensitivity (10–35°C)	± 5 ppm/°C (10–30°C)	± 3 ppm/°C	± 5 ppm/°C (10–30°C)	± 3 ppm/°C		± 10 ppm/°C		
Pan size (mm)	160 × 124			100 × 100		160 × 124		100 × 100
Dimensions (approx.)	170 W × 240 D × 75 H mm							
Weight (approx.)	2.2 kg							
Power requirements	AC adapter; 90 V–264 V, –15%–+10%, 50/60 Hz							
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						

Options

- AC Adaptor for EP-100/110
  Electronic Printer EP-100/110
  (For 120/220 VAC)
- IFB-102A
  RS-232C Interface

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