

# High-precision Electro-magnetic Balances

## BL Series



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 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)	$\pm 5ppm/°C$ (10 – 30°C)		$\pm 3ppm/°C$	$\pm 5ppm/°C$ (10 – 30°C)		$\pm 3ppm/°C$		
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



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