SHIMADZU

Portable Electronic Balance

ELB Series

Precision without compromise in the field

The most user-friendly portable balance

Designed for accuracy

Shimadzu cares to the last digit. Level indicator and adjustable legs are part of our design to enable accurate weighing.

One-second response

Fast read-out and high stability save time and increase your productivity.

Long battery life / Auto power off

Continuous operation capacity of 40 hours makes you feel connected to power anywhere. Auto-power-off function prevents unnecessary consumption of batteries.

Easy battery replacement

Why should you turn it over? Batteries can be replaced with ease while the balance stays in operating position.
This protects the load cell from damage from the pan supporting shaft.

ELB Series

Excellent Durability

Durability is an important issue especially in field use. Base structure is a metal die cast. Overload prevention mechanism protects the load cell.

Useful Functions

Piece counting, percent display, various unit conversions are standard features.
Solid specific gravity measurement software is installed as a standard feature supported by optional accessories.

Weigh and Record in the Field

Adding dual-power EP-80 / 90 Electronic Printer makes a totally portable system operated with replaceable batteries. Electronic Printer can be connected without additional interface.

Specifications

Model	High resolution type								Standard resolution type	
	ELB120	ELB200	ELB300	ELB600	ELB1200	ELB2000	ELB3000	ELB12K	ELB600S	ELB6000S
Capacity	120 g	200 g	300 g	600 g	1200 g	2000 g	3000 g	12 kg	600 g	6000 g
Minimum display	0.01 g	0.01 g	0.01 g	0.05 g	0.1 g	0.1 g	0.1 g	1 g	0.1 g	1 g
Repeatability (standard deviation)	$\sigma \leq 0.01g$	$\sigma \leq 0.01g$	$\sigma \leq 0.01g$	$\sigma \leq 0.05g$	$\sigma \leq 0.1g$	$\sigma \leq 0.1g$	$\sigma \leq 0.1g$	$\sigma \leq 1g$	$\sigma \leq 0.1g$	$\sigma \leq 1g$
Linearity	±0.01g	±0.01g	±0.02g	±0.05g	±0.1g	±0.1g	±0.2g	±1g	±0.1g	±1g
Taring range	0 g to capacity									
Ambient temperature	5−40°C									
Functions	Piece counting, % display, Specific gravity measurement S/W, Environmental adjustment, Zero-tracking, Auto power off									
Unit conversions	g, kg, ct, oz, ozt, dwt, GN, Hong Kong tael, Singapore tael, Taiwan tael, mom									
Data output	DATA I/O (For electronic printer, RS-232C interface)									
Pan size	110mm dia			170×130mm						
Dimensions (approx.)	185W×215D×55H mm									
Weight (approx.)	1.25 kg (without batteries)									
Power source	6 AA batteries, or AC (optional AC adapter required)									
Standard accessories	Battery holder, In-use protective keypad cover									

Peripherals

- Electronic Printer "EP-80" "EP-90" (impact-dot print)
- RS-232C Interface "IFB-102A"
- Specific Gravity Measurement Kit "SMK-201" (for rectangular-pan models only)
- Carrying case
- In-use protective cover
- Below weigh hook

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SHIMADZU Corporation

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