

LA Balances

Simple and Affordable



Everything You Need

These straightforward, quality balances are perfect for when you have simple weighing tasks and want accurate results you can rely on.



Reliable Performance

With no compromise on quality, the precise load cell delivers fast results you can trust.



3 Built-in Applications

In addition to simple weighing, these balances offer built-in weighing methods for piece counting and dynamic weighing.



Affordable Quality

Trust in METTLER TOLEDO quality for reliable performance and a long balance lifetime, together ensuring an overall low cost of ownership.



Simple Balances

You Can Rely On

Make the most of your budget with these entry-level balances that offer just what you need for your basic weighing tasks, with the added benefit of METTLER TOLEDO quality and reliability.

The built-in applications perform results calculations automatically, helping to ensure consistent processes and minimize errors. It's also simple to connect your balance to a printer, secondary display, or a computer, making your results documentation fast and error-free.

Thanks to the internal test weights, you can test and adjust your balance at any time with just the touch of a button to ensure ongoing accuracy.

Technical Specifications



	LA84	LA104	LA204
Limit values			
Capacity	82 g	120 g	220 g
Readability	0.1 mg	0.1 mg	0.1 mg
Repeatability (at 5% load)	0.1 mg	0.1 mg	0.1 mg
Linearity deviation	0.2 mg	0.2 mg	0.2 mg
Sensitivity offset (at nominal load) ▲	0.5 mg	0.5 mg	0.8 mg
Typical values			
Repeatability (at 5% load)	0.08 mg	0.08 mg	0.08 mg
Linearity deviation	0.08 mg	0.08 mg	0.08 mg
Sensitivity offset (at nominal load) ▲	0.3 mg	0.3 mg	0.5 mg
Minimum weight (USP, tolerance = 0.10%) ▼	160 mg	160 mg	160 mg
Minimum weight (tolerance = 1%) ▼	16 mg	16 mg	16 mg
Settling time	3 s	3 s	3 s
Dimensions and other specifications			
Balance dimensions (W × D × H)	210 × 308 × 345 mm	210 × 308 × 345 mm	210 × 308 × 345 mm
Weighing pan diameter	80 mm	80 mm	80 mm

▲ after adjustment with internal weight

▼ determined at 5% load, k = 2

Models without internal test weights are also available (ExCal).



	LA203	LA403	LA2002	LA4002
Limit values				
Capacity	220 g	420 g	2200 g	4200 g
Readability	1 mg	1 mg	10 mg	10 mg
Repeatability (at 5% load)	1 mg	1 mg	10 mg	10 mg
Linearity deviation	2 mg	2 mg	20 mg	20 mg
Sensitivity offset (at nominal load) ▲	8 mg	8 mg	80 mg	80 mg
Typical values				
Repeatability (at 5% load)	0.7 mg	0.7 mg	7 mg	7 mg
Linearity deviation	0.6 mg	0.6 mg	6 mg	6 mg
Sensitivity offset (at nominal load) ▲	5 mg	5 mg	50 mg	50 mg
Minimum weight (USP, tolerance = 0.10%) ▼	1.4 g	1.4 g	14 g	14 g
Minimum weight (tolerance = 1%) ▼	0.14 g	0.14 g	1.4 g	1.4 g
Settling time	3 s	3 s	3 s	3 s
Dimensions and other specifications				
Balance dimensions (W × D × H)	210 × 308 × 280 mm	210 × 308 × 280 mm	200 × 308 × 102 mm	200 × 308 × 102 mm
Weighing pan diameter	100 mm	100 mm	180 mm	180 mm

▲ after adjustment with internal weight

▼ determined at 5% load, k = 2

Models without internal test weights are also available (ExCal).



Features

Performance

- Electromagnetic Force Compensation (EMFC) weighing cell
- Internal Adjustment

Efficient Operation

- Bright and clear LCD display
- 3 built-in applications
- 16 weight units
- Front level indicator
- Hook for weighing below the balance

Quality Assurance

- Overload protection
- Metal base, ABS top housing
- Settings protection
- Small footprint

Data Management

- RS232 interface
- Bluetooth option
- Transfer weight function for easy data transfer
- MT-SICS
- EasyDirect Balance software

Power Consumption

Instrument Steady State	Approx. Power Consumption (W)*
Operational Mode	1.4
Standby Mode	1.0

*Test results conducted by METTLER TOLEDO under ideal conditions.

Operational Mode = Default balance settings



Applications

- Weighing
- Piece Counting
- Dynamic Weighing



Accessories

Enhance performance, improve ergonomics, and handle your data efficiently with our wide range of accessories, including EasyDirect Balance data management software, printers, and weights.

For further information on accessories, please visit our web page.

► www.mt.com/lab-accessories



Professional Service

With a professional installation, your balance is expertly set up to deliver accurate results from day one.

To learn more about our service offerings, scan the QR code or visit our website:

► www.mt.com/professional-service



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