

MA Compact Balances

Portable and Convenient



Compact and Portable

These flexible balances have been designed with a small footprint that not only saves valuable space on your workbench, but also makes them easy to pick up and transport to wherever you want to weigh.



Simple Operation

The large, bright screen is easy to read, while on-screen instructions guide you through each weighing procedure. Calculations are performed automatically and it's simple to print out results or transfer them to a storage device.



Built to Last

Thanks to high-quality materials and solid construction, these balances are highly resilient. Even with intensive use in challenging weighing environments, you can depend on many years of reliable service.



Built-In Adjustment

With just one keypress, you can trigger the balance to perform an adjustment procedure using its own internal test weights. This simple process helps to ensure consistently accurate weighing results.



Easy Everyday Weighing For Your Routine Tasks

Our portable laboratory balances don't compromise on quality or weighing performance. These robust balances can be operated by connecting to your local power supply or with batteries, meaning you can rely on trusted weighing results wherever and whenever you need to weigh.

The bright LCD screen provides excellent readability, while the glass surface resists wear and tear and is easy to clean. The touch keys make it simple to operate the balance and navigate through the menus in the user interface.

Technical Specifications



	MA602P	MA2002P	MA6001P
Limit values			
Capacity	620 g	2.2 kg	6.2 kg
Readability	0.01 g	0.01 g	0.1 g
Repeatability (at 5% load)	10 mg	10 mg	100 mg
Linearity deviation	20 mg	20 mg	200 mg
Sensitivity offset (at nominal load) ▲	40 mg	80 mg	400 mg
Typical values			
Repeatability (at 5% load)	7 mg	7 mg	70 mg
Linearity deviation	6 mg	6 mg	60 mg
Sensitivity offset (at nominal load) ▲	25 mg	50 mg	250 mg
Minimum weight (USP, tolerance = 0.10%) ▼	14 g	14 g	140 g
Minimum weight (tolerance = 1%) ▼	1.4 g	1.4 g	14 g
Settling time	1.5 s	1.5 s	1 s
Dimensions and other specifications			
Balance dimensions (W × D × H)	177 × 253 × 74 mm	177 × 253 × 74 mm	177 × 253 × 74 mm
Weighing pan dimensions (W × D)	160 × 160 mm	160 × 160 mm	160 × 160 mm

▲ after adjustment with internal weight

▼ determined at 5% load, k = 2

All models are available as approved versions. Models without internal test weights are also available (ExCal).

Features

Performance

- Strain gauge weighing cell
- Internal adjustment

Quality Assurance

- OIML/NTEP approved
- Front level indicator
- Overload protection
- Sample ID

Efficient Operation

- LCD hybrid touchscreen
- 11 built-in applications
- Statistical data analysis
- Power cable and battery operation
- Small footprint
- Plug & Play
- Hook for weighing below the balance

Data Management

- 2 interfaces: USB-A, RS232
- 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	1.0
Standby Mode	0.9

*Test results conducted by METTLER TOLEDO under ideal conditions.

Operational Mode = Default balance settings



Applications

- Weighing
- Piece Counting
- Density Determination
- Formulation
- Dynamic Weighing
- Check Weighing
- Totaling
- Percent Weighing
- Factor Weighing
- Statistics
- Interval Weighing



Accessories

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

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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