

For Your Essential Needs Worry-Free Weighing



Intuitive Touch Operation

The unit's bright 4.5" color TFT touch-screen with clear icons and intuitive guidance enables users to operate it quickly—even while wearing cloth or rubber gloves. Multilingual text and graphics walk you through every step of your weighing procedures.



Accuracy Ensured

An Electromagnetic Force Compensation (EMFC) weighing cell with FACT technology automatically adjusts the balance whenever there is a change in ambient temperature, ensuring your results remain accurate and reliable. Built-in overload protection helps to ensure long balance life.



Easy to Use

Ten embedded applications including checkweighing, totaling and formulation allow operators to start working right away. Sample IDs and passcode protection make sure settings are not changed by unauthorized personnel.



Easy Data Handling

Multiple interfaces support barcode reader, printer and PC connections for easy traceability and data handling. USB and RS232 connectivity along with an optional Bluetooth adapter simplify data upload and transfer.



ME-T Precision Balances

Essential Functionality, Solid Performance

Whether you work on a factory floor or in a lab, you need a balance that combines essential weighing functions with ease of use to deliver accurate and reliable results day after day.

METTLER TOLEDO's ME-T precision balances are ideal for routine weighing procedures. An intuitive touchscreen makes daily tasks as simple as possible while built-in features give operators everything they need to weigh with the accuracy, repeatability and traceability required.

The metal base housing and a high quality finish make ME-T robust enough for tough environments, while smooth surfaces make it easy to maintain and clean. This versatile scale is built to perform—and last!

Technical Specifications	ME103T	ME203T	ME303T	ME403T	ME503T	ME1002T	ME2002T	ME3002T	ME4002T	ME5002T	ME4001T
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Limit Values

Capacity	120 g	220 g	320 g	420 g	520 g	1,200 g	2,200 g	3,200 g	4,200 g	5,200 g	4,200 g
Readability	1 mg	0.01 g	0.1 g								
Repeatability (at 5% load)	1 mg	0.01 g	0.1 g								
Linearity deviation	2 mg	0.02 g	0.2 g								

Typical Values

Repeatability (at 5% load)	0.7 mg	0.7 mg	0.7 mg	0.7 mg	0.7 mg	0.007 g	0.07 g				
Linearity deviation	0.6 mg	0.6 mg	0.6 mg	0.6 mg	0.6 mg	0.006 g	0.07 g				
Sensitivity offset (at nominal load)	2 mg (50 g)	2 mg (200 g)	2 mg (300 g)	3.5 mg (400 g)	3.5 mg (500 g)	0.018 g (1,000 g)	0.018 g (2,000 g)	0.018 g (3,000 g)	0.024 g (4,000 g)	0.024 g (5,000 g)	0.24 g (4,000 g)
Minimum weight (USP, tolerance = 0.10%)	1,400 mg	1,400 mg	1,400 mg	1,400 mg	1,400 mg	14 g	140 g				
Minimum weight (tolerance = 1%)	140 mg	140 mg	140 mg	140 mg	140 mg	1.4 g	14 g				
Settling time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1 s

Dimensions

Weighing pan (mm)	∅ 120	∅ 120	∅ 120	∅ 120	∅ 120	180×180	180×180	180×180	180×180	180×180	180×180
Balance size, W×D×H (mm)	210×319×289	210×319×289	210×319×289	210×319×289	210×319×289	200×319×100	200×319×100	200×319×100	200×319×100	200×319×100	200×319×100

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

Features

Accurate Results	Electromagnetic Force Compensation (EMFC)
	FACT automatic internal adjustment
	Metal base
	OIML/NTEP approved
Efficient Operation	Bright 4.5" color TFT touchscreen
	10 built-in applications
	Front level indicator
	Statistical data analysis
	Overload protection
Quality	Input of up to 4 sample IDs
	Passcode protection
	15 available languages
Connectivity	3 interfaces: USB device, USB host, RS232
	Bluetooth option
	Built-in PC direct function for easy data transfer



METTLER TOLEDO balances can be customized with accessories and peripheral devices to meet the needs of virtually any application. Our carefully designed accessories make your work easier, convenient and help increase efficiency.

For further information on accessories, please visit
[▶ www.mt.com/lab-accessories](http://www.mt.com/lab-accessories)

METTLER TOLEDO Group
 Laboratory Weighing
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www.mt.com/met-precision

For more information

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