ME-T Balances

The ME-T Balance Line
Solid performance
Sustainable value
Easy to use

d=0.01 g | Max 4200 g

0.00 g

ME

For Your Essential Needs
Worry-free Weighing

METTLER TOLEDO

ME-T Analytical and Precision Balances
Essential Functionality, Solid Performance

In today's busy laboratory, you need a balance that combines essential everyday weighing functions with ease of use to deliver accurate, reliable results day after day.

METTLER TOLEDO's ME-T balances are ideal for routine weighing procedures, with intuitive touchscreen operation to make your daily tasks as simple as possible. And of course there is a wide range of optional accessories to make weighing even easier, from a simple dust cover to help keep your balance clean to a dedicated kit for rapid density determination.

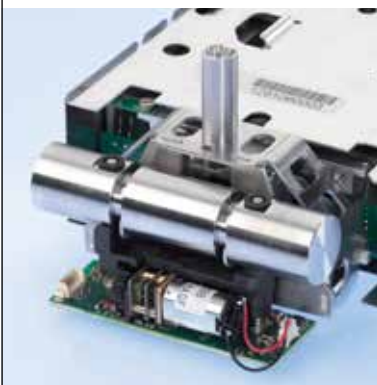**Color touchscreen display makes weighing easy**

- 4.5″ large color TFT display
- Touchscreen operation
- Intuitive interface with user guidance
- 4 freely-defineable IDs per sample e.g. user, sample
- Passcode protection

Ensuring solid performance and sustainable value. Your daily routines made easy.

Proven weighing cell delivers reliable results

- FACT automatic internal adjustment
- Built-in overload protection

Multiple connectivity enables rapid integration

- Just plug in and start (printer, barcode reader, etc.)
- Built-in RS232, USB device, USB host
- Bluetooth adapter available
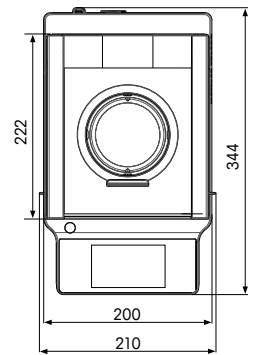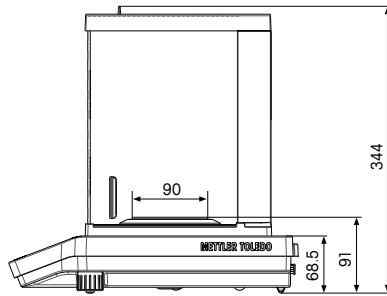
Easy-to-use built-in applications

- 8 embedded applications, including statistics and formulation
- Documentation according to ISO/GLP requirements
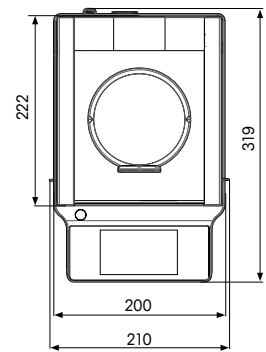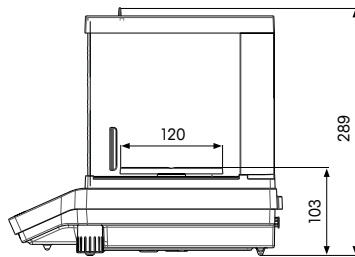- Supports underfloor weighing

ME-T Balances
Technical Specifications

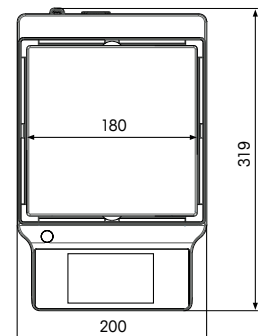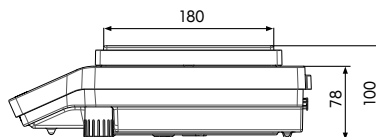**ME204T**

ME303T

ME4002T

ME-T Analytical Balances — 0.1 mg

Model	ME54T ME54TE	ME104T ME104TE	ME204T ME204TE
Maximum capacity	52 g	120 g	220 g
Readability	0.1 mg	0.1 mg	0.1 mg
Repeatability	0.1 mg	0.1 mg	0.1 mg
Repeatability (at nominal load)	0.1 mg	0.1 mg	0.1 mg
Setling time	2 s	2 s	2 s
Minimum sample weight (acc. to USP)	160 mg	160 mg	160 mg
Minimum sample weight (U=1%, k=2)	16 mg	16 mg	16 mg

ME-T Precision Balances — 1 mg

Model	ME103T ME103TE	ME203T ME203TE	ME303T ME303TE	ME403T ME403TE	ME503T ME503TE
Maximum capacity	120 g	220 g	320 g	420 g	520 g
Readability	1 mg	1 mg	1 mg	1 mg	1 mg
Repeatability	1 mg	1 mg	1 mg	1 mg	1 mg
Repeatability (at nominal load)	1 mg	1 mg	1 mg	1 mg	1 mg
Setling time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s
Minimum sample weight (acc. to USP)	1400 mg	1400 mg	1400 mg	1400 mg	1400 mg
Minimum sample weight (U=1%, k=2)	140 mg	140 mg	140 mg	140 mg	140 mg

ME-T Precision Balances — 0.01-0.1 g

Model	ME1002T ME1002TE	ME2002T ME2002TE	ME3002T ME3002TE	ME4002T ME4002TE	ME5002T ME5002TE	ME4001T ME4001TE
Maximum capacity	1200 g	2200 g	3200 g	4200 g	5200 g	4200 g
Readability	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g
Repeatability	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g
Repeatability (at nominal load)	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g
Setling time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.0 s
Minimum sample weight (acc. to USP)	14 g	14 g	14 g	14 g	14 g	120 g
Minimum sample weight (U=1%, k=2)	1.4 g	1.4 g	1.4 g	1.4 g	1.4 g	12 g

Features

Accurate Results	Electromagnetic Force Compensation Weighing Cell
	FACT – fully automatic temperature-controlled internal adjustment or external calibration
	Housing: Metal base, ABS top
Efficient Operation	4.5'' large color TFT touchscreen
	Statistics - improved management of weighing data
	Overload protection
Quality Assurance	Up to 4 Sample ID's - avoid confusion between samples and provide traceability
	Passcode protection - only authorized users can make adjustments
	15 languages available
Seamless Process	3 interfaces - USB device, USB host and RS232
	Bluetooth option
	PC Direct application for easy data transfer

Make the Most of Your Balance
with Clever Accessories and Service

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.

Smooth routine testing

Weights and CarePacs® are perfectly designed for reliable routine testing and adjustment of balances.

Fast density determination

Density determination of solid and liquid samples is easy with this kit for analytical and precision balances.

Easy documentation

The printers generate fast, high quality printouts on paper, self-adhesive labels and continuous self-adhesive paper.

Protect results from static

The freestanding U-Electrode removes electrostatic charges on samples and containers.

Wireless with Bluetooth

Simply plug in the BT adapter where there is no built-in BT interface to wirelessly send data between your balance and a PC, tablet or printer. No additional software needed.

Reliable sample transfer

SmartPrep™ single-use, antistatic funnels enable safe and fast weighing-in of powders. Simply weigh, transfer and rinse. Fits nearly any standard 10 – 250 mL flask.

Our team of 5,000 professional service experts and customer supporters in more than 140 countries worldwide have the necessary skills and experience to satisfy all your needs with the following service offering: Good Weighing Practice©, support, repair, maintenance, calibration, certification and quality assurance.

Benefit From Our Weighing Expertise

With decades of experience in laboratory weighing, METTLER TOLEDO can offer you a wide range of online learning resources. Take advantage of our know-how and ensure you get the most out of your balance. Check out the documentation on our internet pages for a range of relevant materials.

Videos
Get practical advice in an easy learning format on Laboratory Weighing and Weighing Applications and Solutions. Over 40 videos cover topics such as:
• Easy cleaning
• Density determination

eLearning
Online training is a cost effective way to train new employees and fulfill GLP/GMP/ISO re-training requirements. Get going with:
• Lab Balances – External Influences and Cleaning

On-demand Webinars
Learn directly from our weighing experts and guest speakers. It is easy to register.
For starters, we recommend:
• Minimizing Out-of-Specification Errors
• Good Weighing Practice™

For more information

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