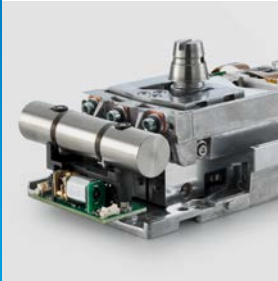


ME Precision Balances Everyday Essentials



High Quality Weighing Cell

With METTLER TOLEDO's EMFC weighing cell, you can be sure of accurate and reliable performance. The high stability provides fast results so you can get your tasks done quickly and with confidence.



Convenient Levelling

Levelling your balance is easy thanks to the large adjusting feet. The level indicator is at the front so it is easy to check the level and ensure your balance is working accurately.



Made for Intense Use

With a metal base, stainless steel weighing pan and overload protection, these balances can withstand intense use in tough environments. Smooth surfaces and rounded edges make them easy to clean and maintain.



Built-In Adjustment

Maintain accuracy without external calibration weights. Internal test weights make it simple for you to test and adjust your balance at any time with just the touch of a button.



All the Basic Functions You Need For Everyday Weighing

ME precision balances offer you all the essential functionalities you need to carry out your daily weighing tasks accurately and efficiently. One-touch balance adjustment and robust construction mean you can be sure of consistently reliable results, day after day.

High quality components, practical features and an affordable price tag make ME precision balances an essential in every laboratory.

ME Precision Balances — Model Overview

Technical Specifications	ME103	ME203	ME303	ME403	ME503	ME802	ME1002	ME2002	ME3002	ME4002	ME5002	ME4001
Limit Values												
Capacity	120 g	220 g	320 g	420 g	520 g	820 g	1,200 g	2,200 g	3,200 g	4,200 g	5,200 g	4,200 g
Nominal load	100 g	200 g	300 g	400 g	500 g	800 g	1,000 g	2,000 g	3,000 g	4,000 g	5,000 g	4,000 g
Readability	1 mg	1 mg	1 mg	1 mg	1 mg	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg	100 mg
Repeatability (at 5% load)	1 mg	1 mg	1 mg	1 mg	1 mg	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg	100 mg
Linearity deviation	2 mg	2 mg	2 mg	2 mg	2 mg	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg	200 mg
Typical Values												
Repeatability (at 5% load)	0.7 mg	0.7 mg	0.7 mg	0.7 mg	0.7 mg	7 mg	7 mg	7 mg	7 mg	7 mg	7 mg	70 mg
Linearity deviation	0.6 mg	0.6 mg	0.6 mg	0.6 mg	0.6 mg	6 mg	6 mg	6 mg	6 mg	6 mg	6 mg	60 mg
Sensitivity offset (at nominal load) ¹⁾	5 mg	5 mg	5 mg	5 mg	5 mg	70 mg	70 mg	70 mg	70 mg	70 mg	50 mg	120 mg
Minimum weight (USP, tolerance = 0,10%) ²⁾	1.4 g	1.4 g	1.4 g	1.4 g	1.4 g	14 g	14 g	14 g	14 g	14 g	14 g	140 g
Minimum weight (tolerance = 1%) ²⁾	140 mg	140 mg	140 mg	140 mg	140 mg	1.4 g	1.4 g	1.4 g	1.4 g	1.4 g	1.4 g	14 g
Settling time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1 s	1 s	1 s	1 s	1 s	1.5 s	1 s
Dimensions												
Weighing pan diameter (mm)	∅ 120	∅ 120	∅ 120	∅ 120	∅ 120	180×180	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	200×319 ×100

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

¹⁾ after sensitivity adjustment

²⁾ determined at 5% load, k = 2

Features

Accurate Results	Electromagnetic Force Compensation (EMFC) weighing cell Internal adjustment OIML/NTEP approved
Efficient Operation	Bright and clear LCD display Menu protection Date and time Secondary display option Front level indicator 16 weighing units Hook for weighing below the balance 10 built-in applications
Quality	Metal base Stainless steel platform and pan Overload protection Small footprint
Connectivity	RS232 interface Bluetooth option Built-in PC direct function for easy data transfer



Applications

Formulation, Totalling, Dynamic Weighing, Piece Counting, Density Determination, Percent Weighing, Check Weighing, Statistics, Multiplication Factor, Division Factor

Accessories



RS-P25 Printer
Ensure accurate documentation.



Density Kit
For quick and easy determination of solid samples.



Bluetooth Adapter
Wirelessly transfer data between the balance and a printer or PC.



CarePac Test Weights
Routine testing with just two weights ensures ongoing accuracy.



Protective Cover
Extra protection against dust and dirt.

METTLER TOLEDO Group
Laboratory Weighing
Local contact: www.mt.com/contacts

www.mt.com/me-precision

For more information

Subject to technical changes
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