

Big Features Go Compact Worry-free Weighing



Proven weighing cell

Our renowned MonoBloc weighing cell, with FACT automatic internal adjustment, delivers consistently reliable results. Built-in overload protection ensures a long balance lifetime.



Compact and convenient

The compact design makes the most of your workspace, giving you the extra space you need to have all your equipment and samples conveniently nearby – especially handy when you have bulky samples or large containers.



Intuitive operation

The large 4.5" color TFT touchscreen with clear icons and intuitive guidance enables users to operate quickly even while wearing cloth or rubber gloves. Multilingual text and graphics walk you through every step of weighing procedures.



Efficient weighing-in guide

The weighing-in guide at the top of the display helps the operator dose to target. The green screen indicates at a glance that the weighing result lies within the process tolerances.



ML-T Precision Balances Small in Size, Big on Features

Whether you work in a busy laboratory, or out on the factory floor, space is always at a premium. With the smallest-in-class footprint and larger-than-average weighing pan, ML balances give you the room you need to carry out your daily tasks efficiently.

Their compact size and battery operation makes it easy to take your ML balance to where you need to weigh – ideal for stocktaking or fieldwork. And when you've finished your weighing tasks, ML balances are easy to clean and take care of too.

ML-T Precision Balances

Technical Specifications	ML203T	ML303T	ML503T	ML802T	ML1602T	ML3002T	ML4002T	ML6002T	ML3001T	ML6001T
Limit values	1 mg			0.01-0.1 g						
Maximum capacity	220 g	320 g	520 g	820 g	1620 g	3200 g	4200 g	6200 g	3200 g	6200 g
Readability	1 mg	1 mg	1 mg	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g	0.1 g
Repeatability (at nominal load)	1 mg	1 mg	1 mg	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g	0.1 g
Linearity deviation (test load)	0.002 g (50 g)	2 mg (50 g)	0.002 g (100 g)	0.02 g (200 g)	0.02 g (400 g)	0.02 g (500 g)	0.02 g (1000 g)	0.02 g (1000 g)	0.2 g (500 g)	0.2 g (1000 g)
Typical values										
Repeatability, typical (sd)	0.7 mg	0.7 mg	0.7 mg	0.007 g	0.007 g	0.007 g	0.007 g	0.007 g	0.07 g	0.07 g
Linearity, typical	0.6 mg	0.6 mg	0.6 mg	0.006 g	0.006 g	0.006 g	0.006 g	0.006 g	0.06 g	0.06 g
Eccentricity deviation (test load) ¹⁾	1.5 mg (100 g)	1.5 mg (100 g)	1.5 mg (200 g)	0.01 g (500 g)	0.01 g (500 g)	0.015 g (1000 g)	0.015 g (2000 g)	0.015 g (2000 g)	0.1 g (1000 g)	0.1 g (1000 g)
Sensitivity offset (test weight)	2 mg (200 g)	3 mg (300 g)	3.5 mg (500 g)	0.009 g (800 g)	0.018 g (1600 g)	0.018 g (3000 g)	0.024 g (4000 g)	0.036 g (6000 g)	0.09 g (3000 g)	0.18 g (6000 g)
Minimum sample weight (acc. to USP)	1400 mg	1400 mg	1400 mg	14 g	14 g	14 g	14 g	14 g	120 g	120 g
Minimum sample weight (U=1%, k=2)	140 mg	140 mg	140 mg	1.4 g	1.4 g	1.4 g	1.4 g	1.4 g	12 g	12 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 s	1 s
Dimensions										
Weighing pan dimensions	120 (Ø)	120 (Ø)	120 (Ø)	170 X 190	170 X 190	170 X 190	170 X 190	170 X 190	170 X 190	170 X 190

¹⁾ According to OIML R76;

Features

Accurate Results	MonoBloc weighing cell Overload protection FACT internal adjustment with advanced test features MinWeigh warning function Metal bottom housing
Efficient Operation	Large 4.5" color TFT touch-screen LevelControl function Statistical data analysis Easy cleaning thanks to QuickLock
Quality Assurance	ISO-Log Sample ID input Passcode protection
Seamless Process	3 interfaces - USB device, USB host and RS232 Bluetooth option PC direct for easy data transfer

Accessories

P-5x thermal printers



Fast, high quality printouts on paper, self-adhesive labels and continuous self-adhesive paper (including barcodes).

Bluetooth adapters



Wirelessly sends data between the balance and a PC, tablet or printer. No additional software needed.

Weights and CarePacs®



For routine testing adjustment of balances, with guaranteed traceability.

SmartPrep™



Single-use, antistatic funnels enable safe and fast weighing-in of powders. Simply weigh, transfer and rinse.



For further information on accessories, please visit www.mt.com/lab-accessories

GWP®
Good Weighing Practice™
www.mt.com/GWP



Mettler-Toledo AG
Laboratory Weighing
CH-8606 Greifensee, Switzerland
Tel. +41 44 944 22 11
Fax +41 44 944 30 60

Subject to technical changes
© 05/2015 Mettler-Toledo AG
30258572
Global MarCom Switzerland / MC

www.mt.com/mlt-precision

For more information