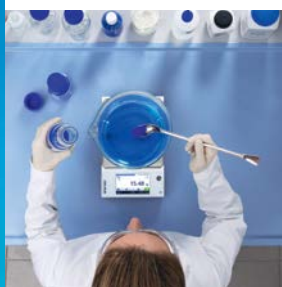# ML-T Precision Balances
Compact, Intuitive, Reliable

Proven weighing cell delivers reliable results

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

Compact and convenient to make the most of your workspace

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

Comfortable touchscreen for intuitive operation

The easy-to-read 4.5" color capacitive touchscreen with clear icons and straightforward guidance enables users to operate the balance quickly, even while wearing cloth or rubber gloves. Multilingual text options with graphics walk you through every step of your weighing process.

Flexible connectivity for easy data management

Multiple interfaces including LAN and optional WLAN enable simple data handling. Transfer data to PC, FTP server, memory stick or printer in formats including XML and CSV files.

ML-T Precision Balances
Convenient Weighing

The very compact design of the ML-T Precision Balances makes the most of your workspace while offering powerful functionalities via an intuitive user interface supports you in your daily tasks. And if once power is unavailable, simply operate the balance with batteries.

The high-performance MonoBloc weighing cell in combination with fully automatic internal adjustment delivers the accuracy you need at any time.

The ML-T delivers consistently reliable results, which you can easily transfer wherever needed thanks to future-proof connectivity and data-management functionalities.

METTLER TOLEDO

ML-T Precision Balances, 1–100 mg Readability

Technical Specifications	ML203T	ML303T	ML503T	ML802T	ML1602T	ML3002T	ML4002T	ML6002T	ML3001T	ML6001T
Limit Values										
Capacity	220 g	320 g	520 g	820 g	1,620 g	3.2 kg	4.2 kg	6.2 kg	3.2 kg	6.2 kg
Nominal load	200 g	300 g	500 g	800 g	1,600 g	3 kg	4 kg	6 kg	3 kg	6 kg
Readability	1 mg	1 mg	1 mg	10 mg	10 mg	10 mg	10 mg	10 mg	100 mg	100 mg
Repeatability	1 mg	1 mg	1 mg	10 mg	10 mg	10 mg	10 mg	10 mg	100 mg	100 mg
Linearity deviation	2 mg	2 mg	2 mg	20 mg	20 mg	20 mg	20 mg	20 mg	50 mg	200 mg
Typical Value										
Repeatability	0.7 mg	0.7 mg	0.7 mg	7 mg	7 mg	7 mg	7 mg	7 mg	70 mg	70 mg
Linearity deviation	0.6 mg	0.6 mg	0.6 mg	6 mg	6 mg	6 mg	6 mg	6 mg	60 mg	60 mg
Sensitivity offset (at nominal load) [1]	5 mg	5 mg	5 mg	50 mg	50 mg	50 mg	50 mg	50 mg	120 mg	150 mg
Minimum weight (USP, tolerance = 0.10%) [2]	1.4 g	1.4 g	1.4 g	14 g	14 g	14 g	14 g	14 g	140 g	140 g
Minimum weight (tolerance = 1%) [2]	140 mg	140 mg	140 mg	1.4 g	1.4 g	1.4 g	1.4 g	1.4 g	14 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 s	1 s
Dimensions										
Weighing pan dimensions (W × D)	120 mm (∅)	120 mm (∅)	120 mm (∅)	170 × 190 mm	170 × 190 mm	170 × 190 mm	170 × 190 mm	170 × 190 mm	170 × 190 mm	170 × 190 mm

[1] after adjustment with internal weight [2] determined at 5% load, k = 2

Accurate Results

- Capacity from 220 g to 6.2 kg
- Readability 1 mg to 100 mg
- Minimum sample weight 140 mg (tolerance = 1%)
- MonoBloc weighing cell

Efficient and Intuitive Operation

- 4.5" color capacitive touchscreen, glove compatible
- 10 different applications (weighing, counting, check weighing, dynamic weighing, percent weighing, formulation, totaling, back-weighing, density, factor weighing)
- Statistics option
- Target and tolerance setting including weighing-in aid
- Battery operation

Quality Assurance

- Temperature and time controlled automatic internal adjustment (FACT)
- LevelControl: Level warning with leveling guide
- Configurable sample and task IDs
- User management for up to 10 users
- ISO Log for adjustments, tests and setting changes

Easy Data Transfer

- Easy connectivity and data export: LAN, USB, RS232 and optional WLAN/Bluetooth
- Easy connection of peripheral devices: Printers, PC, USB memory stick, barcode reader and keyboard
- Advanced reporting and publishing capabilities
- Export of measurement results to USB memory stick or FTP server as XML, CSV or TXT file
- PC-Direct to easily transfer weight values to PC
- Comprehensive data management in connection with EasyDirect™ Balance software

Sustainable Value

- Metal bottom housing
- Overload protection

Accessories

Accessories like EasyDirect™ Balance data management software, printers, calibration weights, a density determination kit and a wireless dongle help you enhance performance, improve ergonomics and handle your data efficiently.

▶ **www.mt.com/lab-accessories**

www.mt.com/mlt-precision

For more information