ML-T Analytical Balances
Compact, Intuitive, Reliable

Comfortable touchscreen for easy 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 and graphics walk you through every step of your weighing process.

Convenient applications increase productivity
10 built-in applications including density determination and formulation support your weighing and data-management procedures to increase productivity and reduce errors.

Simplified balance leveling
The built-in LevelControl function issues a warning when the balance is not leveled and provides onscreen guidance to help you level the balance correctly within seconds.

Flexible connectivity for simplified 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 Analytical Balances
Convenient Weighing

The very compact design of the ML-T Analytical Balances makes the most of your workspace while offering powerful functionalities via an intuitive user interface to support 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 to wherever needed thanks to future-proof connectivity and data-management functionalities.

METTLER TOLEDO

ML-T Analytical Balances, 0.1 mg Readability

Technical Specifications	ML54T	ML104T	ML204T	ML304T
Limit Values				
Capacity	52 g	120 g	220 g	320 g
Nominal load	50 g	100 g	200 g	300 g
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Repeatability	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Linearity deviation	0.2 mg	0.2 mg	0.2 mg	0.2 mg
Typical Value				
Repeatability	0.08 mg	0.08 mg	0.08 mg	0.08 mg
Linearity deviation	0.06 mg	0.06 mg	0.06 mg	0.06 mg
Sensitivity offset (at nominal load) [1]	0.5 mg	0.6 mg	0.8 mg	1.5 mg
Minimum weight (USP, tolerance = 0.10%) [2]	160 mg	160 mg	160 mg	160 mg
Minimum weight (tolerance = 1%) [2]	16 mg	16 mg	16 mg	16 mg
Settling time	2 s	2 s	2 s	3 s
Dimensions				
Weighing pan dimension $\varnothing$	90 mm	90 mm	90 mm	90 mm

[1] after adjustment with internal weight

[2] determined at 5% load, k = 2

Accurate Results

- Capacity from 52 to 320 g
- Readability 0.1 mg
- Minimum sample weight 16 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: Printer, 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
- Glass panels with QuickLock release for easy cleaning

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-analytical

For more information