

MS-TS Analytical Balances

Reliable, Intuitive, Robust



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.



Convenient applications to increase productivity

11 built-in applications, including differential weighing, formulation and density determination support your weighing process and data management to increase productivity and reduce errors.



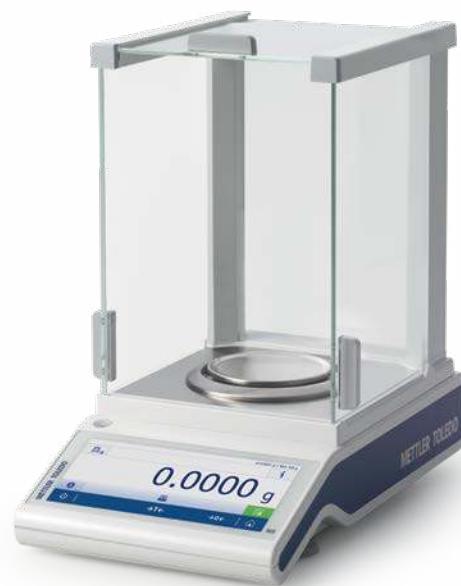
Metal housing ensures long service life

The full die-cast aluminum housing not only protects the weighing cell from environmental influences and impacts, it is also resistant to harsh chemicals, including acetone.



Get connected 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 PDF reports and XML/CSV files.



MS-TS Analytical Balances Convenient Weighing

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

The 7 inch extra-large color capacitive touchscreen display with its intuitive user interface and 18 millimeter high digits brings comfort and convenience to daily weighing tasks.

The MS-TS Analytical Balances are designed to deliver consistently reliable results. These results can be easily transferred wherever needed thanks to future-proof connectivity and data-management functionalities.

MS-TS Analytical Balances, 0.1 mg Readability

Technical Specifications	MS104TS	MS204TS	MS304TS
Limit Values			
Capacity	120 g	220 g	320 g
Nominal load	100 g	200 g	300 g
Readability	0.1 mg	0.1 mg	0.1 mg
Repeatability	0.1 mg	0.1 mg	0.1 mg
Linearity deviation	0.2 mg	0.2 mg	0.2 mg
Typical Values			
Repeatability	0.08 mg	0.08 mg	0.08 mg
Linearity deviation	0.06 mg	0.06 mg	0.06 mg
Sensitivity offset (at nominal load) ¹⁾	0.6 mg	0.8 mg	1.5 mg
Minimum weight (USP, tolerance = 0.10%) ²⁾	160 mg	160 mg	160 mg
Minimum weight (tolerance = 1%) ²⁾	16 mg	16 mg	16 mg
Settling time	2 s	2 s	3 s
Dimensions			
Weighing pan dimension Ø	90 mm	90 mm	90 mm

¹⁾ after adjustment with internal weight

²⁾ determined at 5% load, k = 2



Accurate Results

- Capacity from 120 to 320 g
- Readability 0.1 mg
- Minimum sample weight 16 mg (tolerance = 1%)
- MonoBloc weighing cell

Efficient and Intuitive Operation

- 7" color capacitive touchscreen, glove compatible
- 18 mm high digits
- 11 different applications (weighing, counting, check weighing, dynamic weighing, percent weighing, formulation, totaling, back-weighing, differential weighing, density, factor weighing)
- Statistics option and graphical results representation
- Target and tolerance setting including weighing-in aid

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 20 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
- Web access for remote control and second screen from any web browser
- Export of measurement results to USB memory stick or FTP server as XML, PDF, CSV or TXT file
- PC-Direct to easily transfer weight values to PC
- Comprehensive data management in connection with EasyDirect™ Balance software

Sustainable Value

- Robust and chemical-resistant full metal housing
- Overload protection
- Draft shield and glass panels with QuickLock release for easy cleaning

Accessories

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

► www.mt.com/lab-accessories

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Laboratory Weighing
Local contact: www.mt.com/contacts

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