

# MS-TS Precision Balances, 1 mg

## 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 formulation, check-weighing and piece-counting 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 Precision 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 Precision 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 Precision Balances, 1 mg Readability

Technical Specifications	MS303TS	MS403TS	MS603TS	MS1003TS
<b>Limit Values</b>				
Capacity	320 g	420 g	620 g	1,020 g
Nominal load	300 g	400 g	600 g	1,000 g
Readability	1 mg	1 mg	1 mg	1 mg
Repeatability	1 mg	1 mg	1 mg	1 mg
Linearity deviation	2 mg	2 mg	2 mg	2 mg
<b>Typical Value</b>				
Repeatability	0.7 mg	0.7 mg	0.7 mg	0.7 mg
Linearity deviation	0.6 mg	0.6 mg	0.6 mg	0.6 mg
Sensitivity offset (at nominal load) <sup>1)</sup>	5 mg	5 mg	5 mg	5 mg
Minimum weight (USP, tolerance = 0.10%) <sup>2)</sup>	1.4 g	1.4 g	1.4 g	1.4 g
Minimum weight (tolerance = 1%) <sup>2)</sup>	140 mg	140 mg	140 mg	140 mg
Settling time	1.5 s	1.5 s	2 s	2 s
<b>Dimensions</b>				
Weighing pan dimensions (W x D)	127 x 127 mm	127 x 127 mm	127 x 127 mm	127 x 127 mm

<sup>1)</sup> after adjustment with internal weight

<sup>2)</sup> determined at 5% load, k = 2



### Accurate Results

- Capacity from 320 to 1,020 g
- Readability 1 mg
- Minimum sample weight 140 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
- 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](http://www.mt.com/lab-accessories)

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For more information

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