

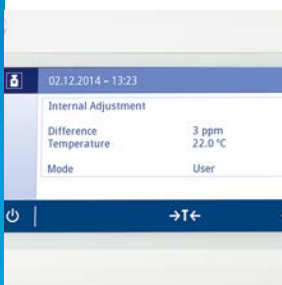
Trusted Results at Your Fingertips

Worry-free Weighing, 0.01 – 0.1 g



Metal housing ensures long balance lifetime

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.



Proven weighing cell delivers reliable results

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



MinWeigh function assists dosing process

During weighing-in, the weight value remains red until the net sample weight is above the pre-programmed minimum value. It is clear to see when process tolerances have been met.



Built-in function simplifies balance leveling

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

MS-TS Precision Balances Engineered for Reliable Performance

The robust construction of the MS-TS precision balances makes them perfect for heavier tasks in the laboratory or out on the factory floor. The unique MonoBloc weighing cell delivers the accuracy you need and is fully protected against accidental overload.

Delivering consistently reliable results, even in harsh environments, these balances will also deliver a fast return on your investment.

The 7" extra-large color TFT touchscreen display is operable through cotton, silicon and rubber gloves. An intuitive user interface and 18mm high digits bring comfort to your daily tasks.

MS-TS Precision Balances, 0.01–0.1 g

Technical Specifications	MS1602TS	MS3002TS	MS4002TS	MS4002TS DR	MS6002TS	MS6002TS DR	MS12002TS	MS8001TS
Limit values								
Maximum capacity	1,620 g	3,200 g	4,200 g	4,200 g	6,200 g	6,200 g	12,200 g	8,200 g
Maximum capacity, fine range	–	–	–	820 g	–	1,220 g	–	–
Readability	0.01 g	0.01 g	0.01 g	0.1 g	0.01 g	0.1 g	0.01 g	0.1 g
Readability, fine range	–	–	–	0.01 g	–	0.01 g	–	–
Repeatability	0.01 g	0.01 g	0.01 g	0.06 g	0.01 g	0.06 g	0.01 g	0.1 g
Repeatability, fine range	–	–	–	0.01 g	–	0.01 g	–	–
Linearity deviation	0.02 g	0.02 g	0.02 g	0.08 g	0.02 g	0.08 g	0.025 g	0.2 g
Typical values								
Repeatability	0.007 g	0.007 g	0.007 g	0.05 g	0.007 g	0.05 g	0.007 g	0.07 g
Repeatability, fine range	–	–	–	0.007 g	–	0.007 g	–	–
Linearity deviation	0.006 g	0.006 g	0.006 g	0.06 g	0.006 g	0.06 g	0.008 g	0.06 g
Sensitivity offset (test weight)	0.018 g (1,600 g)	0.018 g (3,000 g)	0.024 g (4,000 g)	0.024 g (4,000 g)	0.036 g (6,000 g)	0.036 g (6,000 g)	0.048 g (12,000 g)	0.24 g (8,000 g)
USP minimum sample weight (5% load, k=2, U=0.10%)	14 g	14 g	14 g	14 g	14 g	14 g	14 g	140 g
Minimum sample weight (5% load, k=2, U=1%)	1.4 g	1.4 g	1.4 g	1.4 g	1.4 g	1.4 g	1.4 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 s
Dimensions								
Weighing pan size, WxD (mm)	170 × 200	170 × 200	170 × 200	170 × 200	170 × 200	170 × 200	170 × 200	190 × 226

Features

Accurate Results	MonoBloc weighing cell Strong overload protection FACT internal adjustment MinWeigh warning function Full metal housing
Efficient Operation	7" Extra-large color TFT touchscreen 18mm high digits LevelControl function Statistical data analysis Easy cleaning LevelLock
Quality Assurance	ISO-Log Sample ID input Passcode protection
Seamless Process	3 interfaces: USB device, USB host, RS232 Bluetooth option PC Direct application

Accessories

P-50 Excellence Printers



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

Pan protectors



Self-adhesive sheet protects your balance and absorbs minor spills. Peel off and replace as required.

Bluetooth adapters



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

External draft shield



The large draft shield protects your balance from air currents. Get faster and more accurate results.

Embedded applications

Weighing, statistics for all applications, differential weighing, back-weighing, check weighing, totaling, piece counting, formulation, percent weighing, factor weighing, dynamic weighing, density, dosing and PC Direct (for easy data transfer).

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