High Capacity MS Precision Balances

0.1 g

Robust Aluminum Housing
The robust housing is made from high-quality aluminum and protects the weighing sensor from environmental influences and impacts. It is also resistant to chemicals. Consistent performance is guaranteed year after year – even with intensive use.

MonoBloc Inside
MonoBloc, the proven high-performance weighing cell developed by world leader in weighing technologies, METTLER TOLEDO, guarantees a long service life and extreme ruggedness.

Large Weighing Platform
The large robust weighing pan provides a stable surface for the weighing of bulky items.

User-friendly Operation
The High Contrast Display (HCD) with big numbers, clear symbols and an intuitive menu enables users to operate the balance quickly and easily. And with three freely programmable **SmartKeys**, routine tasks can be started at the touch of a button.

Strong Performers
for Robust Reliability

No more compromises between sample size and weighing precision. With fully automatic time- and temperature-controlled internal adjustment (FACT) and proven MonoBloc weighing technology, you can be assured of strong performance and fast settling times to help increase your productivity. The robust, chemical-resistant aluminum housing and overload protection ensure a long service life.

METTLER TOLEDO

High Capacity MS Precision Balances 0.1 g

Technical data	MS12001L	MS16001L	MS16001LE*	MS32001L	MS32001LE*
Limit values					
Maximum capacity	12200 g	16200 g	16200 g	32200 g	32200 g
Readability	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g
Repeatability (at nominal load)	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g
Linearity deviation	0.2 g	0.2 g	0.2 g	0.3 g	0.3 g
Sensitivity temperature drift	5 ppm/°C	5 ppm/°C	5 ppm/°C	5 ppm/°C	5 ppm/°C
Typical values					
Repeatability (at nominal load)	0.07 g	0.07 g	0.07 g	0.07 g	0.07 g
Linearity deviation	0.06 g	0.06 g	0.06 g	0.06 g	0.06 g
USP Minimum Weight [1]	140 g	140 g	140 g	140 g	140 g
Minimum weight (acc. to 1%, k=2, typical)	14 g	14 g	14 g	14 g	14 g
Settling time	2 s	2 s	2 s	2 s	2 s
Balance dimensions (WxDxH in mm)	363x346x118	363x346x118	363x346x118	363x346x118	363x346x118
Weighing pan dimensions (mm)	351x245	351x245	351x245	351x245	351x245
Weight of balance	10.0 kg	10.0 kg	9.7 kg	10.0 kg	9.7 kg

* Adjustment with an external weight (without FACT); [1] Typical minimum sample weight according to USP <41>; measurement at ≤ 5% load

Features

Metal housing
High-grade chemical-resistant die-cast aluminum housing

MonoBloc
Proven weighing technology for fast and accurate results

Large weighing pan
For comfortable weighing of bulky items

Overload protection
Protects the weighing cell against excess weight overload

FACT
Fully automatic time- and temperature-controlled internal adjustment

SmartTrac
Shows how much of the entire weighing range has been used

Protection
Balance settings can be password protected

Connectivity
RS232 to connect to PC, printer or bar code reader; USB to connect to PC

Diagnostics
Easy execution of balance diagnostics e.g. keypad and repeatability tests

SmartKeys
Programmable keys for shortcut access to preferred applications

Protective cover
Encloses the entire balance housing to protect against stains and scratches

Green MT
Just 1 Watt in standby, PVC and mercury free, energy efficient manufacture

Approval

Approved versions of all models available

Applications

Piece counting, percent weighing, check weighing, dynamic weighing, statistics, formulation, totaling, free factor, density, dosing, recall

Accessories

Fast, smart printers
Archive quality printouts on paper, labels and continuous labels: P-58, P-56.

Anti-theft device
Steel cord with universal lock for securing the balance.

Certified weights
Weights for customized testing and adjustments. With guaranteed traceability.

www.mt.com/ms-precision

For more information