

NewClassic MS High-Capacity Balances 0.1 g



Robust aluminum housing

The robust housing made of high-quality aluminum protects the sensitive sensor from environmental influences and impacts. It is also resistant to chemicals. For guaranteed consistency and precision 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 HCD (High Contrast Display) 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.



NewClassic Precision Balances with Large Weighing Platform

No more compromises between sample size and weighing precision. NewClassic precision balances with a large weighing platform offer a winning combination of strong performance and extreme robustness, thanks to the use of FACT – fully automatic time- and temperature-controlled internal adjustment – and proven MonoBloc weighing technology, all safely embedded in a chemical-resistant aluminum housing. As an added bonus, the NewClassic balances can increase productivity due to their fast settling time.

High-Capacity Balances 0.1 g

Model overview



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
Minimum sample weight (acc. to USP)	210 g	210 g	210 g	210 g	210 g
Minimum sample weight (U=1 %, k=2)	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)

Features

Metal Housing High-grade chemical-resistant die-cast aluminum housing	FACT Fully automatic time- and temperature-controlled internal adjustment	Diagnostics Easy running of balance diagnostics test e.g. keypad test, repeatability test
MonoBloc Proven weighing technology for fast and accurate results	SmartTrac Shows how much of the entire weighing range has been used	Smart Key Programmable keys for shortcut access to preferred applications
Large weighing pan For comfortable weighing of bulky items	Protection of main balance configurations against manipulation	IP Protection IP54 in use
Overload Protection Protects the weighing cell against excess weight overload	Connectivity RS232 to connect to PC, printer or bar code reader; USB to connect to PC	Protective Cover Encloses the entire housing, protecting the balances from stains and scratches

Approval

Approved versions of all models available

Applications

Piece Counting, Percent Weighing, Check Weighing, Dynamic Weighing, Statistics, Formulation, Totalling, Free Factor, Density, Recall

Accessories



RS-P25, RS-P26, RS-P28 Printer
The fastest way to generate and archive weighing data.



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



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

GWP®
Good Weighing Practice™
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