

NewClassic MS

Precision Balances 0.01 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.



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.



Once level, always level

In addition to the adjustable feet at the front, the balance is equipped with **LevelLock** feet at the back, providing increased safety and anti-tilt capabilities.



NewClassic precision balances

Whether you are carrying out a simple routine task or a complicated weighing procedure, NewClassic precision balances offer a winning combination of strong performance and increased productivity thanks to the fast settling time and consistently reliable results. With the added advantage of proven MonoBloc weighing technology and FACT – fully automatic time- and temperature-controlled internal adjustment – the new generation of NewClassic balances provides a visually attractive support for everyday weighing tasks.

Precision Balances 0.01 g – Model overview



Technical Data	MS1602S MS1602SE*	MS3002S MS3002SE*	MS4002S	MS6002S
Maximum capacity	1620 g	3200 g	4200 g	6200 g
Readability	0.01 g	0.01 g	0.01 g	0.01 g
Adjustment range with external weights	1000–1620 g	1000–3200 g	1000–4200 g	2000–6200 g
Repeatability (sd)	0.01 g	0.01 g	0.01 g	0.01 g
Linearity	0.02 g	0.02 g	0.02 g	0.02 g
Sensitivity temperature drift (10–30 °C)**	3 ppm/ °C	3 ppm/ °C	3 ppm/ °C	3 ppm/ °C
Stabilization time	1.5 s	1.5 s	1.5 s	1.5 s
IP Protection	IP54 in use	IP54 in use	IP54 in use	IP54 in use
Weighing pan dimensions	170x200 mm	170x200 mm	170x200 mm	170x200 mm
Balance dimensions LxWxH	347x194x96 mm	347x194x96 mm	347x194x96 mm	347x194x96 mm
Weight of balance	5.5 kg	5.5 kg	5.5 kg	5.5 kg
Minimum weight (acc. to USP)	30 g	30 g	30 g	30 g
Minimum weight (acc. to 1%, k=2)	2 g	2 g	2 g	2 g
Power requirement	12 V / 0.84 A	12 V / 0.84 A	12 V / 0.84 A	12 V / 0.84 A

* Adjustment with an external weight (without FACT)

** Sensitivity temperature drift for models without FACT: 10 ppm/ °C

Stability of sensitivity as from first installation with FACT automatic adjustment switched on

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



LevelLock

Fixable rear support feet for additional safety



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, Totaling, Free Factor, Recall

Accessories



RS-P25, RS-P26, RS-P28 Printer

The fastest way to generate and archive weighing data results



Anti-theft device

Steel cord with universal lock for securing the balance



Certified Weights

Weights for customized testing and adjustments. With guaranteed traceability



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.