

NewClassic MS

DeltaRange 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 DeltaRange 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 Delta Range models you have the advantage of buying a two-in-one balance: it combines high readability with high capacity. Small quantities of weighing goods are shown with a higher readability. Lower readability is shown when weighing larger quantities, to secure maximum weighing precision and reliance on results.













DeltaRange Precision Balances 0.01 g

Model overview



Technical Data	MS4002SDR	MS6002SDR
Limit values		
Maximum capacity	4200 g	6200 g
Maximum capacity, fine range	820 g	1220 g
Readability	0.1 g	0.1 g
Readability, fine range	0.01 g	0.01 g
Repeatability (at nominal load)	0.1 g	0.1 g
Repeatability, fine range (at nominal load)	0.01 g	0.01 g
Linearity deviation	0.2 g	0.2 g
Linearity deviation, fine range	0.02 g	0.02 g
Sensitivity temperature drift	3 ppm/°C	3 ppm/°C
Typical values		
Repeatability (at nominal load)	0.05 g	0.05 g
Repeatability, fine range (at nominal load)	0.007 g	0.007 g
Linearity deviation	0.02 g	0.02 g
Linearity deviation, fine range	0.006 g	0.006 g
Minimum sample weight (acc. to USP)	21 g	21 g
Minimum sample weight (U=1 %, k=2)	1.4 g	1.4 g
Settling time	1.5 s	1.5 s
Balance dimensions (W x D x H)	194x347x99 mm	194x347x99 mm
Weighing pan dimensions	170x200 mm	170x200 mm
Weight of balance	4.8 kg	4.8 kg

Features

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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
- 
Level Lock
 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, Totalling, Free Factor, Density, Recall

Accessories



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



Draft Shield for Precision Balances
 Fits METTLER TOLEDO precision balances, and protects the balance against air conditioning and turbulence.



Weights and CarePacs
 For routine testing and adjustment of balances, with guaranteed traceability.

GWP®
 Good Weighing Practice™
www.mt.com/GWP



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