NewClassic MS
Analytical Balances 0.1 mg

Quick and easy cleaning
Cleaning has never been so easy: the **QuickLock** draft shield can be dismantled in a few quick steps, without moving the balance, and the separate glass panels can be washed in the dishwasher.

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.

Up-to-date data transfer
Quick and error-free data transfer: RS232 port for direct connection to PC, printer or bar code reader, USB port for connection to PC via standard USB cable.

Easy installation
The adjustable feet and clearly visible level indicator are now located at the front of the balance for easy leveling.

NewClassic Analytical Balances

Whether you are carrying out a simple routine task or a complicated weighing procedure, NewClassic analytical 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.

METTLER TOLEDO

Analytical Balances 0.1 mg
Model overview

Technical Data	MS104S	MS204S	MS304S
Limit values			
Maximum capacity	120 g	220 g	320 g
Readability	0.1 mg	0.1 mg	0.1 mg
Repeatability (at nominal load)	0.1 mg	0.1 mg	0.1 mg
Linearity deviation	0.2 mg	0.2 mg	0.2 mg
Sensitivity temperature drift	1.5 ppm/°C	1.5 ppm/°C	1.5 ppm/°C
Typical values			
Repeatability (at nominal load)	0.08 mg	0.08 mg	0.08 mg
Linearity deviation	0.06 mg	0.06 mg	0.06 mg
Minimum weight (acc. to USP, typical)	0.16 g	0.16 g	0.16 g
Minimum weight (acc. to 1%, k=2, typical)	0.016 g	0.016 g	0.016 g
Settling time	2 s	2 s	3 s
Balance dimensions (W x D x H)	204x347x348 mm	204x347x348 mm	204x347x348 mm
Weighing pan dimensions	$\varnothing$ 90 mm	$\varnothing$ 90 mm	$\varnothing$ 90 mm
Usable height of draft shield	236 mm	236 mm	236 mm
Weight of balance	5.8 kg	5.8 kg	5.8 kg

Features

Metal — **Metal Housing**
High-grade chemical-resistant die-cast aluminum housing

Mono Bloc — **MonoBloc**
Proven weighing technology for fast and accurate results

Quick Lock — **QuickLock**
Quick and comfortable dismantling of the draft shield

Overload Protection
Protects the weighing cell against excess weight overload

FACT — **FACT**
Fully automatic time- and temperature-controlled internal adjustment

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

Protection
of main balance configurations against manipulation

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

Diagnostics
Easy running of balance diagnostics test e.g. keypad test, repeatability test

F1 — **Smart Key**
Programmable keys for shortcut acces to preferred applications

IP54 — **IP Protection**
IP54 in use

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, Density, Recall

Accessories

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

Density Kit
For determining the density of solids and liquids.

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

www.mt.com/newclassic

For more information