

## 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.

# Analytical Balances 0.1 mg

## Model overview



Technical Data	MS104S	MS204S	MS304S
<b>Limit values</b>			
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
<b>Typical values</b>			
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 sample weight (acc. to USP)	0.24 g	0.24 g	0.24 g
Minimum sample weight (U=1 %, k=2)	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	∅ 90 mm	∅ 90 mm	∅ 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

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

**GWP®**  
 Good Weighing Practice™  
[www.mt.com/GWP](http://www.mt.com/GWP)



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 Printed in Switzerland 11796146  
 Global MarCom Switzerland

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