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.
## Technical Data

<table>
<thead>
<tr>
<th></th>
<th>MS104S</th>
<th>MS204S</th>
<th>MS304S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum capacity</strong></td>
<td>120 g</td>
<td>220 g</td>
<td>320 g</td>
</tr>
<tr>
<td><strong>Readability</strong></td>
<td>0.0001 g</td>
<td>0.0001 g</td>
<td>0.0001 g</td>
</tr>
<tr>
<td><strong>Adjustment range with external weights</strong></td>
<td>50-120 g</td>
<td>100-220 g</td>
<td>100-320 g</td>
</tr>
<tr>
<td><strong>Repeatability (sd)</strong></td>
<td>0.1 mg</td>
<td>0.1 mg</td>
<td>0.1 mg</td>
</tr>
<tr>
<td><strong>Linearity</strong></td>
<td>0.2 mg</td>
<td>0.2 mg</td>
<td>0.3 mg</td>
</tr>
<tr>
<td><strong>Sensitivity temperature drift (10-30°C)</strong></td>
<td>1.5 ppm/ °C</td>
<td>1.5 ppm/ °C</td>
<td>1.5 ppm/ °C</td>
</tr>
<tr>
<td><strong>Stabilization time</strong></td>
<td>2 s</td>
<td>2 s</td>
<td>3 s</td>
</tr>
<tr>
<td><strong>IP Protection</strong></td>
<td>IP54 in use</td>
<td>IP54 in use</td>
<td>IP54 in use</td>
</tr>
<tr>
<td><strong>Usable height of draft shield</strong></td>
<td>237 mm</td>
<td>237 mm</td>
<td>237 mm</td>
</tr>
<tr>
<td><strong>Weighing pan dimensions</strong></td>
<td>Ø 90 mm</td>
<td>Ø 90 mm</td>
<td>Ø 90 mm</td>
</tr>
<tr>
<td><strong>Balance dimensions LxWxH</strong></td>
<td>347x204x345 mm</td>
<td>347x204x345 mm</td>
<td>347x204x345 mm</td>
</tr>
<tr>
<td><strong>Weight of balance</strong></td>
<td>6.5 kg</td>
<td>6.5 kg</td>
<td>6.5 kg</td>
</tr>
<tr>
<td><strong>Minimum weight (acc. to USP)</strong></td>
<td>0.3 g</td>
<td>0.3 g</td>
<td>0.3 g</td>
</tr>
<tr>
<td><strong>Minimum weight (acc. to 1%, k=2)</strong></td>
<td>0.02 g</td>
<td>0.02 g</td>
<td>0.02 g</td>
</tr>
<tr>
<td><strong>Power requirement</strong></td>
<td>12 V / 0.84 A</td>
<td>12 V / 0.84 A</td>
<td>12 V / 0.84 A</td>
</tr>
</tbody>
</table>

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

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### Features

- **Metal Housing**: High-grade chemical-resistant die-cast aluminum housing
- **MonoBloc**: Proven weighing technology for fast and accurate results
- **QuickLock**: Quick and comfortable dismantling of the draft shield
- **Overload Protection**: Protects the weighing cell against excess weight overload
- **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
- **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
- **Smart Key**: Programmable keys for shortcut access to preferred applications
- **IP Protection**: IP54 in use
- **Protective Cover**: Encloses the entire housing, protecting the balances from stains and scratches
- **Density Kit**: For determining the density of solids, liquids, porous and viscous substances.

### 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.
- **Certified Weights**: Weights for customized testing and adjustments. With guaranteed traceability.

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Printed in Switzerland 11796146
Global MarCom Switzerland

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