

## Premium Semimicrobalances and Analytical Balances: Sartorius ME – When Results Matter



### Unrivaled speed

An outstanding feature of the Sartorius ME series is speed: stable readouts with five decimal places in just eight seconds.

Controlled by palm-operable keys or by custom programming, the draft shield closes quietly, precisely and quickly. It can be adapted to any weighing scenario, according to the requirements of your application.

### Unrivaled stability

Repeatability of the weights measured is an additional strength of the Sartorius ME. The results are just as stable as the monolithic weighing system of the ME.

The Sartorius ME is amazingly impervious to the surrounding environment of its installation location. Interfering static electricity on samples and tare containers can be neutralized at the touch of a button.

### Unrivaled reliability

Sartorius ME stands for reliability, year in, year out. That's why we are offering a three-year warranty, which we will extend on request up to a total of five years.

### The Facts

Unique monolithic weighing system

Three-part, motorized draft shield system

User-friendly palm-activated keys for draft shield operation; foot switch optional for applications where you need your hands free

Neutralization of static electricity

Prompts in clear English for operator guidance

Alphanumeric input capability for sample IDs

Software support for use in quality management systems

SQmin function displays the minimum initial weight in accordance with the United States Pharmacopeia (can be activated by Sartorius Service)

Display of measurement uncertainty according to the German Calibration Service (DKD)

ISO|GLP-compliant, user-configurable records|printouts

### Built-in applications

Built-in software supports all key laboratory weighing applications to ensure smooth, time-saving lab procedures and reliable results.

- Density determination
- Calculation of weights using a definable factor or equation
- Statistical evaluation
- Differential weighing
- Air buoyancy correction
- Air density determination

### Specifications

Model	ME235S	ME235P	ME235P-SD*	ME614S	ME414S	ME254S
Weighing capacity (g)	230	60 110 230	60 110 230	610	410	250
Readability (mg)	0.01	0.01 0.02 0.05	0.01 0.02 0.05	0.1	0.1	0.1
Repeatability (≤mg)	0.015 (0–60 g) 0.025 (60–230 g)	0.015 (0–60 g) 0.040 (60–110 g) 0.040 (110–230 g)	0.015 (0–60 g) 0.040 (60–110 g) 0.040 (110–230 g)	0.1	0.1	0.07
Linearity (≤ ± mg)	0.1	0.15	0.15	0.4	0.3	0.15
Response time (≤s)	8	8	8	3	2.5	2.5
Off-center load at ½ maximum load (≤mg) (according to OIML R76)	0.15	0.2	0.2	0.6	0.4	0.3
Weighing pan diameter (mm)	90	90	90	90	90	90
Clearance above weighing pan (mm)	253	253	195	253	253	253

All models are available in verified versions (excluding \*)

\* with short-design draft shield and pipette opening, Ø 60 mm, with cover