

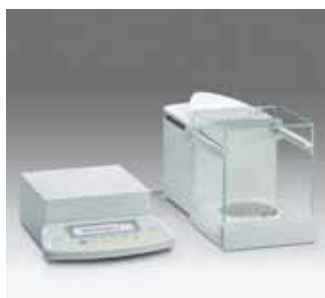
## Premium Ultramicrobalances and Microbalances SE2, ME5 and ME36S. Highest Precision – Even for the Smallest Sample Quantities



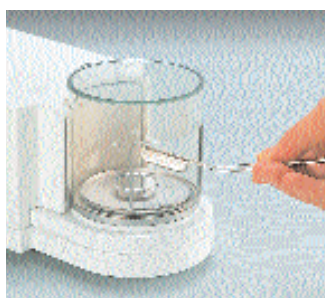
Design 1



Design 2



Design 3



**The premium microbalances meet the most stringent requirements when it's necessary to achieve measurement results quickly and with exceptional accuracy**

The balances also offer maximum support when used as testing equipment in the context of a QM system. This is ensured by performance features such as the

- SQmin function: Display of the permitted minimum initial weight according to the United States Pharmacopeia (can be activated by Sartorius Service)
- Fully automatic calibration and adjustment function (isoCAL)
- ISO|GLP-compliant logging
- Input of alphanumeric sample identifiers

### 100% glass draft shield

The motorized draft shield on the SE2 and ME5 is made entirely of glass with no frame to obstruct your view. A special coating on the glass inside the chamber eliminates interfering factors – such as those caused by electrostatically charged objects.

### Cleaning as easy as 1–2–3

In just one easy step, you can completely remove the draft shield. The weighing chamber base plate features smooth, easy-to-clean surfaces. Such design features really pay for themselves whenever absolute cleanliness is the number one priority.

### Easy to operate

The generously sized opening of the draft shield moves to any desired position – you can choose to operate the draft shield by pressing a palm-operable key, a foot switch (optional) or an external computer.

### Specifications

Model		SE2***	ME5***	ME36S***	SE2-F Filter balance	ME5-F Filter balance
Weighing capacity	g	2.1	5.1	31	2.1	5.1
Readability	µg	0.1	1	1	0.1	1
Repeatability (±)	µg	0.25	1	2	0.25*	1**
Linearity (≤ ±)	µg	0.9	4	10	0.9*	4**
Response time (average)	s	10	10	14–18	10*	10**
Weighing pan Ø	mm	20	30	30	50 or 20 (75 and 90 optional)	50 or 30 (75 and 90 optional)
Design		1	1	3	2	2

\* with standard weighing pan Ø 20 mm

\*\* with standard weighing pan Ø 30 mm

\*\*\* Models SE2, ME5 and ME36S are available in calibrated versions

### Fast results

With stabilization times of only 10 seconds, the SE2 and ME5 will save you valuable time during each weighing operation.

### Brilliant readability

The backlit, high-contrast graphical display ensures excellent readability. Text-based user guidance allows the balance to be configured quickly and confidently "if you need to do more than just weighing".

### Flexible

Every ultramicrobalance and microbalance has 14 built-in application programs as standard features, such as air buoyancy correction, differential weighing program, and statistical evaluation.

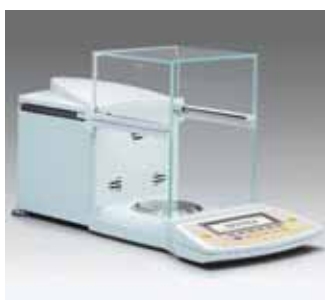
Featuring a readability of 1 µg, the ME36S offers an exceptionally wide weighing range up to a capacity of 31 g and outstanding metrological specifications, making it ideal for highly accurate microweighing and for weighing microquantities into heavy tare containers.

All balance-generated data can be logged via the standard RS232C data interface.

### Filter weighing

The models ME5-F and SE2-F were specially designed for weighing filters of up to 90 mm in diameter. The draft shield is made completely of metal, thereby minimizing the interfering effects of static electricity.

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



### Unrivalled 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.

### Unrivalled 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.

### Unrivalled 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