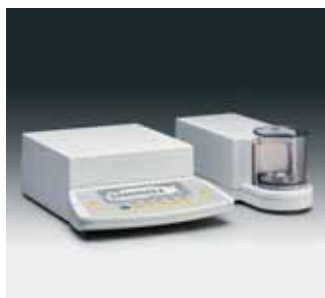


Premium Ultra-micro- and Microbalances: SE2, ME5 and ME36S Maximum Accuracy – Even for Minimum Sample Quantities



Design 1



Design 2



Design 3



Sartorius premium microbalances meet the highest requirements when it's a matter of obtaining fast and exceptionally accurate results.

These balances offer maximum support when used as inspection, measuring and test equipment within a quality management system. The following performance features make your quality assurance procedures much easier:

- SQmin function displays the minimum sample weight allowable according to the United States Pharmacopeia (USP) (can be activated by Sartorius Service)
- Fully automatic calibration and adjustment feature: isoCAL
- ISO | GLP-compliant recording
- Input capability for alphanumeric sample IDs

All-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. Design features that really pay for themselves whenever absolute cleanliness is the No. 1 priority.

Easy to operate

The generously sized opening of the draft shield moves to any position desired – you can choose to operate the draft shield at

the press of an ergonomic key using the ball of your hand, a foot switch (optional) or an external computer.

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 prompts in plain English (and your choice of other languages) guide you quickly and confidently in configuring the balance.

Flexible

Each ultra-micro- and microbalance has 14 built-in application programs as standard features, such as air buoyancy correction, differential weighing program for up to 999 samples, 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 micro-weighing and for weighing micro-quantities into heavy tare containers.

All balance-generated data can be logged via the standard RS-232C interface port.

Filter weighing

Models ME5-F and SE2-F have been 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.

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**
Load plate Ø	mm	20	30	30	50 or 20 75 and 90 optional	50 or 30
Design		1	1	3	2	2

* with standard weighing pan 20 mm Ø

** with standard weighing pan 30 mm Ø

*** Models SE2, ME5 and ME36S are available in verified versions for use in legal metrology in the European Economic Area

Premium Semi-micro- and Analytical Balances: ME Series When Results Count



Incomparably fast

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. Its opening and closing position can be adapted to every weighing situation.

Incomparably stable accuracy

Repeatability of the weights measured is an additional strength of the Sartorius ME. Plus, the results are just as stable as the robotically etched 21st century weigh cell in the ME.

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

Incomparably reliable

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 for up to a total of five years.

Facts, facts and more facts

Exceptionally fast, rugged monolithic weigh cell

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

Neutralizes 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 allowable sample quantity in accordance with the United States Pharmacopeia (can be activated by Sartorius Service)

Display of the uncertainty of measurement 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	ME614S	ME414S	ME254S	ME235P-SD*
Weighing capacity (g)	230	60 110 230	610	410	250	60 110 230
Readability (mg)	0.01	0.01 0.02 0.05	0.1	0.1	0.1	0.01 0.02 0.05
Repeat-ability (\leq 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)	0.1	0.1	0.07	0.015 (0-60 g) 0.040 (60-110 g) 0.040 (110-230 g)
Linearity ($\leq \pm$ mg)	0.1	0.15	0.4	0.3	0.15	0.15
Response time (\leq s)	8	8	3	2.5	2.5	8
Off-center load at 1/2 max. capacity (\leq mg) (positions acc. to OIML R76)	0.15	0.2	0.6	0.4	0.3	0.2
Weighing pan diameter (mm)	90	90	90	90	90	90
Clearance above weighing pan (mm)	253	253	253	253	253	195

All models are available in verified versions for use in legal metrology in the European Economic Area (except *)
* with short-design draft shield and pipette opening 60 mm \varnothing , with cover