



Sartorius ME
When results count



Max 230g
0.1g
142.591g
Tare 0.0011g
ISOCAL

Tare

Tare

ABC

MC

Setup

↺

CF

☰

4

5

6

7

8

9

0

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Sartorius ME. Incomparably fast.

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

This scorching speed puts the Sartorius ME at the top of the class.

Operation of the ME draft shield is also designed for fast weighing. 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 as required.

Built-in software supports all key weighing applications in the lab. As a result, this ensures smooth, time-saving lab procedures and reliable results.

The facts

Incomparably fast readouts

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

Built-in application software

Removable control unit





Sartorius ME. 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 of the ME. For accuracy every time, all the time.

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

The clearly structured control unit on the ME is an intelligent interface between the user and the balance: 100% input, 100% feedback, 100% output.

This ensures stable, error-free lab processes.

The facts

Impervious to ambient conditions

Neutralizes static electricity

Operator guidance prompts in plain text

Alphanumeric sample IDs





Sartorius ME. 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.

The Sartorius ME features a 21st century monolithic weigh cell that only Sartorius provides. This monolithic technology is vastly superior to that of conventional weigh cells. Manufacturing tolerances and deformation that inevitably occur when more than 100 or more individual parts of different materials are used in conventionally produced weigh cells are practically eliminated in the monolithic weigh cell. The monolithic weigh cell is robotically etched from a single block of high-grade aluminium. For this reason, it offers unique conditions for unlimited and durable weighing accuracy.

The facts

Unique, monolithic weigh cell

Software support for use in quality management systems

SQmin function for displaying the allowable minimum sample weight according to 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

Anti-twist weighing pan (for automated weighing sequences)



Sartorius ME

3-year
warranty

Specifications

Model	ME235S	ME235P	ME614S	ME414S	ME254S	ME235P-SD*
Weighing range structure	SuperRange	PolyRange	SuperRange	SuperRange	SuperRange	PolyRange
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
Repeatability (\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)
Max. linearity (\leq 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
Sensitivity drift (\leq ppm/K)	1.0	1.0	1.0	1.0	1.0	1.0
Off-center load at 1/2 max. capacity (\leq mg) (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
External dimensions, W x D x H (mm)	252 x 533 x 292	252 x 533 x 292	252 x 533 x 292	252 x 533 x 292	252 x 533 x 292	252 x 533 x 234
Weighing chamber dimensions, W x D x H (mm)	194 x 184 x 292	194 x 184 x 292	194 x 184 x 292	194 x 184 x 292	194 x 184 x 292	194 x 184 x 234
Clearance above weighing pan (mm)	253	253	253	253	253	195

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

Accessories	Order No.
Data printer	YDP03-OCE
Remote display, LCD, height of digits:13 mm; reflective	YRD02Z
Remote display, LCD, height of digits:13 mm; transmissive (for overhead projectors)	YRD13Z
Carrying case	YDB01ME
Antivibration balance table (wood frame with cast stone slab inset)	YWT01
Antivibration balance table (completely made of cast stone with vibration dampeners)	YWT03
Wall console	YWT04
Rechargeable battery pack, external with battery level indicator	YRB05Z
SartoConnect, set of programs for transferring measured values to a PC, with RS-232C interface cable, length: 1 m	YSC01L
Weight set for air density determination	YSS45-00
Density determination kit	YDK01
Density determination kit, verified for legal metrology (for liquid substances)	YDK01-0D
Antistatic pan, specially designed for filter weighing	YWP01ME
Foot switch for opening closing the draft shield and activating tare and print functions	YPE01RC
PC-compatible data interface (9-contact) incl. 5-contact DIN connector for bar code scanner or PC keyboard	YD001ME
RS-485 data interface (12-contact, round) incl. 5-contact DIN connector for bar code scanner or PC keyboard	YD002ME
Pipette calibration set with software	YCP03-1
Software for pipette calibration	YCP03-2
Glass plate support, holds samples to condition them to temperature inside the weighing chamber	YGS01ME
Extension cord for connecting a weighing platform to a separate display & control unit; length: 2.70 m	YCC01-MED27
RS-232C interface cable for connecting the balance to a PC with a 25-contact COM port; length: approx. 1.5 m	7357312
RS-232C interface cable for connecting the balance to a PC with a 9-contact COM port; length: approx. 1.5 m	7357314
Bar code scanner	YDR02FC

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