



sartorius  
mechatronics

## The new M-class Balances for ambitious first-time users



turning science into solutions

The M-class balances were developed especially for ambitious first-time users in the laboratory and academic sector. The range of models stretches from compact, portable precision balances for the natural sciences, up the high resolution analytical balances with automatic calibration.

**Features for all M-models are:**

- Sartorius weighing technology, i.e. quick and fast measuring results and the legendary Sartorius reliability
- Limitation to the essentials, i.e. no compromises in quality and at the same time excellent price performance ratio.
- Practice-related equipment and design, i.e. also first-time user can immediately start working with the balance efficiently and without errors.

## M-Prove

Precision balances



- Weighing range up to 10,000 g
- Resolution up to 1 mg
- Battery operation
- Can be stacked
- Very compact design

## M-Power

Precision balances and analytical balances



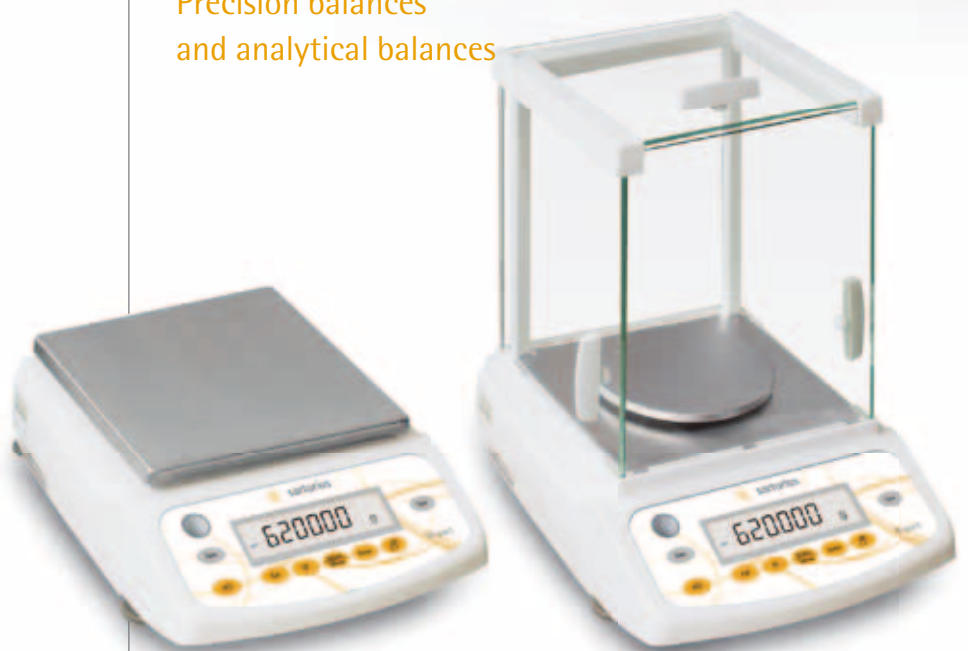
- Weighing range up to 10,000 g
- Resolution up to 0.1 mg
- External calibration
- Compact design



## M-Pact

Precision balances  
and analytical balances

to 6,100 g  
mg



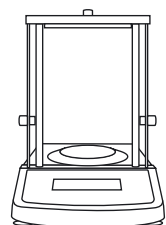
- Weighing range up to 6,200 g
- Resolution up to 0.1 mg
- Automatic internal calibration
- Large weighing platforms

## Technical Data



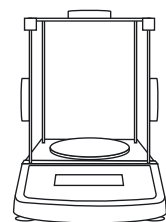
### M-Prove

Model	Capacity [g]	Resolution [mg]	Windshield	Load plate (mm)	Response time [s]	Repeatability [±g]	Linearity [±]	Calibration
AY123	120	1	Glass ring	Ø 97 mm	2,5	0,002 g	0,002 g	External
AY303	300	1	Glass ring	Ø 97 mm	2,5	0,003 g	0,003 g	External
AY212	210	10	No	Ø 97 mm	2	0,02 g	0,02 g	External
AY412	410	10	No	145×130	2	0,01 g	0,01 g	External
AY612	610	10	No	145×130	2	0,01 g	0,01 g	External
AY511	510	100	No	145×130	1,5	0,1 g	0,1 g	External
AY711	710	100	No	145×130	1,5	0,1 g	0,1 g	External
AY1501	1500	100	No	145×130	1,5	0,1 g	0,1 g	External
AY3101	3100	100	No	145×130	1,5	0,1 g	0,1 g	External
AY5101	5100	100	No	145×130	1,5	0,1 g	0,1 g	External
AY4000	4000	1000	No	145×130	1,5	1 g	1 g	External
AY6000	6000	1000	No	145×130	1,5	1 g	1 g	External
AY10000	10000	1000	No	145×130	1,5	1 g	1 g	External



### M-Power

Model	Capacity [g]	Resolution [mg]	Windshield	Load plate (mm)	Response time [s]	Repeatability [±g]	Linearity [±]	Calibration
AZ64	60	0,1	Analytical	Ø 90	3	0,0002	0,0003	External
AZ124	120	0,1	Analytical	Ø 90	3	0,0002	0,0003	External
AZ214	210	0,1	Analytical	Ø 90	3	0,0002	0,0003	External
AZ153	150	1	Glass ring	Ø 100	3	0,003	0,004	External
AZ313	310	1	Glass ring	Ø 100	3	0,003	0,004	External
AZ212	210	10	No	Ø 116	2,5	0,015	0,03	External
AZ612	610	10	No	Ø 116	2,5	0,015	0,03	External
AZ1502	1500	10	No	174×143	2,5	0,015	0,03	External
AZ3102	3100	10	No	174×143	2,5	0,015	0,03	External
AZ2101	2100	100	No	174×143	2	0,1	0,3	External
AZ4101	4100	100	No	174×143	2	0,1	0,3	External
AZ6101	6100	100	No	174×143	2	0,1	0,3	External



### M-Pact

Model	Capacity [g]	Resolution [mg]	Windshield	Load plate (mm)	Response time [s]	Repeatability [±g]	Linearity [±]	Calibration
AX124	120	0,1	Analytical	Ø 90	3	0,0002	0,0003	Internal
AX224	220	0,1	Analytical	Ø 90	3	0,0002	0,0003	Internal
AX423	420	1	Glass ring	Ø 115	1,5	0,002	0,004	Internal
AX623	620	1	Glass ring	Ø 115	1,5	0,002	0,004	Internal
AX822	820	10	No	Ø 150	1,5	0,02	0,04	Internal
AX2202	2200	10	No	180×180	1,5	0,02	0,04	Internal
AX4202	4200	10	No	180×180	1,5	0,02	0,04	Internal
AX6202	6200	10	No	180×180	1,5	0,02	0,04	Internal

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