![sartorius mechatronics logo]

Sartorius M-Prove

Full Featured Portable Scales, Designed for High Performance and Value

turning science into solutions

Sartorius M-Prove Balances – Weighing Made Convenient

Stackability enables convenient safe storage

Optional USB or RS232 interface

Optional 9 volt battery

Protective flip-down cover

Sartorius M-Prove series are ideal balances and scales for Educational, Industrial, Laboratories, Research, Postal, Special Applications and more. Whether weighing multiple samples with totaled results, formulating a color, counting, percent weighing, specific gravity or under pan weighing, Sartorius has the answer in M-Prove. All models feature a flip-down protective cover for safe transportation and stackability, integrated cal-weights, stainless-steel pan and large back-lit display.

Superior engineering for better performance and durability

- Ultra-fast microprocessor for enhanced performance and exceptional stability

- All M-Prove series sensors are robotically manufactured for uniformity and greater durability. Each sensor is computer optimized for maximum performance - providing higher output and unmatched repeatability

- Incomparable overload protection for years of service in all weighing applications

- White back-lit display for easy viewing in all ambient conditions

Unique state-of-the-art features not found in other scales

- Stackability for convenient, safe storage that saves valuable counter space

- Integrated weight chamber, simplifies calibration

- Reversible weighing pan allows greater flexibility in weighing samples

Product Features and Highlights:

- 13 models (enhanced by two milligram units)

- Rugged housing made of ABS plastic with maximum overload protection

- Protective flip-down and removable plastic cover for shipping protection and stackable storage

- Integrated external calibration weights on models with capacity of 710 grams and below

- Unique durable design for multiple applications

- Applications include: Counting, Percent Weighing, Totaling, Display Hold, Specific Gravity, Mass Unit Conversion

- 14 Mass unit conversions - grams, ounces, pounds, pounds:ounce, pennyweight, troy ounces, grains, Newton, carats, Taels HK/Taiwan/Singapore/China, user defined

- Optional RS-232 or USB interface kit (field installable)

- Parts counting with selectable reference sample (1-100)

- Included AC adapter (or optional 9 volt battery operation excluding milligram models)

- External "one button" calibration with 3 weight options

- Lock-down capability

- Large "1 inch" white back-lit display

- Glass ring, leveling bubble and adjustable feet included on all milligram models

Model	Capacity	Readability	Repeatability	Pan Size	Calibration Weight	Shipping Weight
AY123*	120 g	0.001g	± 0.003 g	3.8" dia. / 97 mm	20g, 50g, **100g	5.0 lbs / 2.3 kg
AY303*	300 g	0.001g	± 0.004 g	3.8" dia. / 97 mm	50g, 100g, **200g	5.3 lbs / 2.4 kg
AY212	210 g	0.01 g	± 0.02 g	3.8" dia. / 97 mm	50g, 100g, **200g	5.0 lbs / 2.3 kg
AY412	410 g	0.01 g	± 0.02 g	5.5"x 5.0" / 140 x 128mm	50g, 100g, **200g	5.3 lbs / 2.4 kg
AY612	610 g	0.01 g	± 0.02 g	5.5"x 5.0" / 140 x 128mm	50g, 100g, **200g	5.3 lbs / 2.4 kg
AY511	510 g	0.1 g	±0.1 g	5.5"x 5.0" / 140 x 128mm	50g, **100g, 200g	5.0 lbs / 2.3 kg
AY711	710 g	0.1 g	± 0.1 g	5.5"x 5.0" / 140 x 128mm	50g, **100g, 200g	5.0 lbs / 2.3 kg
AY1501	1,500 g	0.1 g	± 0.1 g	5.5"x 5.0" / 140 x 128mm	200g, 500g, 1000g	4.8 lbs / 2.2 kg
AY3101	3,100 g	0.1 g	± 0.1 g	5.5"x 5.0" / 140 x 128mm	500g,1000g , 2000g	4.8 lbs / 2.2 kg
AY5101	5,100 g	0.1 g	± 0.1 g	5.5"x 5.0" / 140 x 128mm	1000g , 2000g, 5000g	4.8 lbs / 2.2 kg
AY4000	4,100 g	1.0 g	± 1.0 g	5.5"x 5.0" / 140 x 128mm	500g, 1000g, 2000g	4.8 lbs / 2.2 kg
AY6000	6,100 g	1.0 g	± 1.0 g	5.5"x 5.0" / 140 x 128mm	1000g , 2000g, 5000g	4.8 lbs / 2.2 kg
AY10000	10,100 g	1.0 g	± 1.0 g	5.5"x 5.0" / 140 x 128mm	1000g , 2000g, 5000g	4.8 lbs / 2.2 kg

 * Round glass shield included   ** Calibration weights included

Model No.	Description
YADAP-RS	Adapter with Cable for RS-232 9 pin comport
YADAP-USB	Adapter with cable for USB comport
LC-1	Lock-Down Cable and Padlock
YDB06	Hard-Shell Carrying Case
YDK01V	Above Balance Specific Gravity Kit (for mg models only)
69V00003	Glass Ring for Milligram Models
AC-1	120 Volt Power Adapter
AC-2	220 Volt Power Adapter

Lock-Down Cable and Padlock

Counting Program

Integrated Calibration Weights