

Standard Analytical and Precision Balances: Extend Series The New Achievers for Your Lab



If you compare the specifications of many lab balances on paper, they all look the same – if you've seen one, you've seen them all. But in the real world there is more to a lab balance than just its technical specifications.

The new Sartorius Extend series has been specially designed for effective and reliable weighing in daily lab routines. This is where more powerful technology and application-oriented operation and features make all the difference.

Winning technology

More versatility in high resolution applications: 1 mg to 620 g and 10 mg to 6,200 g. Sartorius makes top-of-the-line technology available at a reasonable price.

Sartorius utilizes 21st century technology, such as the unique robotically etched monolithic weigh cell, which ensures long-term high accuracy.

The Extend series features the latest powerful microprocessor technology, shortening response times for faster results. In an Extend balance with 1 mg readability, the typical response time is just 1 to 1.2 seconds. Reliable weighing results are achieved all of the time – even under less than ideal ambient conditions, thanks to the Extend's highly sophisticated digital compensation algorithms.

Ease of use

When you need to get a heavy workload of repetitive applications done fast and reliably, day in and day out, the last thing you need is a lab balance so complicated that it causes operating errors and wastes your valuable time as a result. Welcome to your new Extend balance comfort zone: a simple, easy-to-understand control panel, key function assignments and the easy-to-read display are ideal for efficient weighing in your lab.

User-friendly operation: short, plain-English text prompts and cursor keys for navigation make it simple for you to configure the balance to meet your individual requirements.

The backlit display with its 15-mm digits means the results of measurement are plain to see, under any lighting conditions.

The level indicator is positioned conveniently right next to the display so that checking whether the balance is level becomes "second nature" to the operator.

The range of features

Add up all features of the new Sartorius Extend, and you'll find all the advantages that only a genuine Sartorius lab balance can offer: features that pay for themselves, time and again.

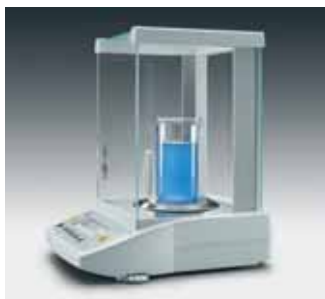
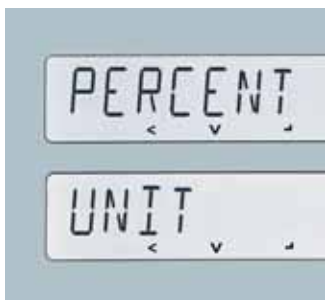
A built-in, motorized calibration weight is standard in all precision balances with the -CW suffix and in all analytical balances. Applied at a touch of a key it ensures the highest weighing accuracy at any time.

Whenever you need ISO/GLP-compliant documentation of raw data or calibration | adjustment data, the Sartorius Extend balance provides it at the touch of a key (in combination with the optional YDP03-OCE data printer).

The easy-to-clean draft shield chamber on the analytical balances provides optimal lighting conditions inside, thanks to its nearly frameless all-glass design.

The following additional built-in application programs come standard: Weighing in percent, net-total-formulation, calculation (multiplication | division), dynamic weighing | animal weighing, mass unit conversion, and counting.

The bidirectional RS-232C data interface is another standard feature. Alternatively, Sartorius can provide an adapter cable for connection to a USB port.





Design 1



Design 2



Design 3



Design 4

Specifications

Model	Read-ability (mg)	Weighing capacity (g)	Pan size (mm)	Repeat-ability (mg)	Linearity (mg)	Response time (average,s)	Design
-------	-------------------	-----------------------	---------------	---------------------	----------------	---------------------------	--------

Analytical balances

ED224S	0.1	220	Ø90	0.1	0.2	2.5	1
ED124S	0.1	120	Ø90	0.1	0.2	2.5	1

Model	Read-ability (mg)	Weighing capacity (g)	Pan size (mm)	Repeat-ability (mg)	Linearity (mg)	Response time (average,s)	Design
-------	-------------------	-----------------------	---------------	---------------------	----------------	---------------------------	--------

Precision balances

ED153*	0.001	150	Ø115	0.001	0.002	1.3	2
ED153-CW	0.001	150	Ø115	0.001	0.002	1.3	2
ED323S*	0.001	320	Ø115	0.001	0.002	1	2
ED323S-CW	0.001	320	Ø115	0.001	0.002	1	2
ED423S*	0.001	420	Ø115	0.001	0.002	1	2
ED423S-CW	0.001	420	Ø115	0.001	0.002	1	2
ED623S*	0.001	620	Ø115	0.001	0.002	1	2
ED623S-CW	0.001	620	Ø115	0.001	0.002	1	2
ED822*	0.01	820	Ø150	0.01	0.02	1	3
ED822-CW**	0.01	820	Ø150	0.01	0.02	1	3
ED2202S*	0.01	2,200	180 × 180	0.01	0.02	1.1	4
ED2202S-CW	0.01	2,200	180 × 180	0.01	0.02	1.1	4
ED3202S*	0.01	3,200	180 × 180	0.01	0.02	1.1	4
ED3202S-CW	0.01	3,200	180 × 180	0.01	0.02	1.1	4
ED4202S*	0.01	4,200	180 × 180	0.01	0.02	1.1	4
ED4202S-CW	0.01	4,200	180 × 180	0.01	0.02	1.1	4
ED6202S*	0.01	6,200	180 × 180	0.01	0.02	1.1	4
ED6202S-CW	0.01	6,200	180 × 180	0.01	0.02	1.1	4
ED2201*	0.1	2,200	180 × 180	0.1	0.1	1	4
ED2201-CW	0.1	2,200	180 × 180	0.1	0.1	1	4
ED5201*	0.1	5,200	180 × 180	0.1	0.1	1	4
ED5201-CW	0.1	5,200	180 × 180	0.1	0.1	1	4
ED8201*	0.1	8,200	180 × 180	0.1	0.1	1	4
ED8201-CW	0.1	8,200	180 × 180	0.1	0.1	1	4

* All models are available in versions verified for use in legal metrology in the European Economic Area, except those marked by an asterisk ("**").

** Pan size for verified versions: 180 × 180 mm.