



Meeting Your Needs in Every Weigh



Sartorius LE Expert Series

**Quality,  
Efficiency,  
Exceptional Results**

## The Sartorius LE Expert Series

### Premium technology at an attractive price

Called LE for short, the new Expert Series from Sartorius offers the latest in weighing technology with simplicity of design and function that will make anyone an "expert" in weighing at the first touch of the balance keypad.

To Sartorius, the word premium means offering the best quality balance at affordable pricing. That's why Sartorius LE models are the balance of choice for leading companies worldwide. It is especially useful for quality management systems such as GLP/GMP and ISO9000/2000.

From the bright blue, backlit display to the unique extra large triangular weighing pan, you'll be convinced that you have the highest quality product to perform your everyday weighing tasks.

### 15 balances offer endless weighing possibilities

All Sartorius LE series have standout specifications and features. A few examples are:

**The LE225D semi-microbalance** with an exceptionally wide fine range of 100g and a readability of 0.01mg.

**The LE623S** with a weighing capacity of up to 620g and a readability of 0.001g

**The LE6202S**—top of the line in the 10-mg category, with a weighing capacity of 6,200g

### Sartorius LE - unique weigh cell technology at the core

Sartorius' patented monolithic weigh cell is the "inner strength" behind all LE models. It ensures exceptionally accurate weighing results, less susceptibility to temperature drifts and ultra-fast response times.

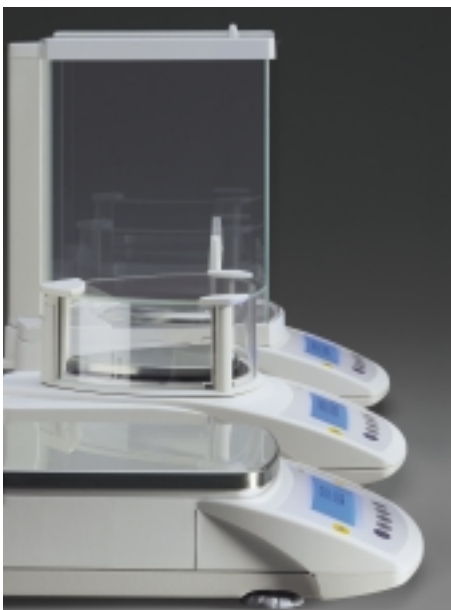
### Extreme accuracy with unique built-in capabilities

Accuracy is achieved by utilizing a program we call isoCAL (built-in calibration and adjustment). This means the LE balance will automatically perform calibration and subsequent adjustment whenever the ambient temperature changes by a certain amount, or when a factory-set time interval has elapsed.

The isoCAL feature, therefore, automatically ensures compliance with most quality system requirements for calibration and adjustment at regular intervals. As a result, the balance consistently operates at a high accuracy level at any time. In addition, you can also calibrate and adjust the balance with a touch of the CAL key.

### RS232 means reliability with ISO/GLP-compliant records

Every calibration and adjustment operation, including all measured and raw data, can be automatically recorded utilizing the built-in software and



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sent via the interface port to an optional printer or a PC. The printed data record shows all of the relevant IDs: date, time, model number, serial number and there's even a field for the operator's signature.

### Unique blue back-lit display and "touch-sensor" keypad

A hallmark of the Sartorius LE series is their brilliant blue display. Featuring backlighting and large, high-contrast digits (0.64 inches high), it is easy to read under any lighting conditions. The intensity of the backlighting can be adjusted when needed, to suit the individual needs of the user.

The LE balance keypad features a positive "touch sensor" response when the keys are pushed giving the user complete confidence as data is being entered into the balance.

### Flexible user-friendly and unique draft shield designs

The all-glass draft shield on the analytical balances have smooth-action doors that open wide and facilitate fast weighing for all kinds of samples.

The triangular draft shield on the 1-mg models have individually removable glass panels (left, right or front) allowing both left- and right-handed users to weigh samples that are extremely difficult to handle, i.e. powdery materials that have to be accurately dispensed.

### Easy to clean, and maintain

All parts of the weighing chamber base plate can be removed simply and easily. The entire draft shield can also be conveniently lifted off for a thorough cleaning by a simple twist of the arm.

On the 1-mg models the triangular chamber doors can easily be removed for cleaning as needed.

### The Sartorius LE experience – more than just weighing

All LE balances have useful built-in application software offering the following "must have" programs:

- weighing in percent
- net-total formulation
- animal weighing
- mass unit conversion by toggling between two weight units
- counting

In addition, Sartorius LEs have an extensive range of accessories that enhance the weighing process.

If you're looking for an accurate, dependable and quality weighing instrument, that will last for many years, call for the Sartorius LE Expert series. You owe it to your lab or facility and most of all, to yourself to get the best for the money. You won't be disappointed



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## Specifications:

Model	Weighing Capacity (g)	Readability (mg)	Pan size mm / inches	Response time, average (< s)	Repeatability (< ± mg)	Linearity (< ± mg)	Fax Doc. No.
Semi-microbalance							
LE225D	40/100/220	0.01/0.01/0.1	ø 80* / 3.1	12/12/03	0.02/0.05/0.1	0.03/0.1/0.2	10250
Analytical Balances							
LE244S	240	0.1	ø 80* / 3.1	2	0.1	1.0	10252
LE324S	320	0.1	ø 80* / 3.1	3	0.2	2.0	10251
Precision Balances	Weighing Capacity (g)	Readability (g)	Pan size mm / inches	Response time, average (< s)	Repeatability (< ± g)	Linearity (< ± g)	Fax Doc. No.
LE323S	320	0.001	ø 110* / 4.3	1.5	0.001	0.002	10254
LE623S	620	0.001	ø 110* / 4.3	1.5	0.001	0.002	10253
LE623P	120/240/620	0.001/0.002/0.005	ø 110* / 4.3	1.5	0.001/0.001/0.003	0.002/0.002/0.005	10255
LE2202S	2,200	0.01	190 x 204 / 7.4 x 8.0	1.5	0.01	0.02	10258
LE4202S	4,200	0.01	190 x 204 / 7.4 x 8.0	1.5	0.01	0.02	10257
LE6202S	6,200	0.01	190 x 204 / 7.4 x 8.0	1.5	0.01	0.02	10256
LE6202P	1,500/3,000/6,200	0.01/0.02/0.05	190 x 204 / 7.4 x 8.0	1.5	0.01/0.01/0.03	0.02/0.02/0.05	10259
LE5201	5,200	0.1	190 x 204 / 7.4 x 8.0	1	0.1	0.2	10260
LE10001	10,000	0.1	190 x 204 / 7.4 x 8.0	1	0.1	0.2	10261
LE16001S	16,000	0.1	400 x 300 / 15.7 x 11.8	1.5	0.1	0.2	10264
LE34001S	34,000	0.1	400 x 300 / 15.7 x 11.8	2	0.1	0.2	10262
LE34001P	8,000/16,000/34,000	0.1/0.2/0.5	400 x 300 / 15.7 x 11.8	1.5	0.1/0.2/0.5	0.3/0.3/0.3	10263

\*Triangular weighing pan shape d = diameter of the inner circle; the shaded area is available for additional sample use.

Fax on Demand Call 800-551-3774

Get the latest information on each model by using the access number listed above.



### Standard Features

- Built-in motorized internal calibration weight
- Bi-directional RS-232C for ISO/GLP printouts
- Stainless steel weighing platform
- Backlit, bright blue display
- Sealed keypad
- Below balance weighing

### Standard Applications

- Weighing in percent
- Net total formulation
- Animal weighing (averaging)
- Mass unit conversion by toggling
- Counting

### Selected Accessories

- YDP03-OCE Data printer
- YSC01L Data transfer software
- YDK01 Density determination kit
- YFS01 Foot switch

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