sartorius

**The Sartorius
Talent Series**
Your access to
talented weighing
technology

The Sartorius Talent series – the affordable weigh to get started with Sartorius weighing technology

The performance specifications of the Sartorius Talent series of balances set new accents in the class of compact and affordable laboratory balances. Whether you need to weigh in laboratories, vocational training facilities, classrooms or in the field, with a Sartorius Talent series balance you'll always have just the right equipment.

Simply easy – zero-error operation
This is where the new models prove their special talents. Just set them up, switch them on and you'll be "on your weigh" – operation doesn't get any easier than this. On top of this are two additional "talents" that ensure error-free weighing: the high-quality display for easy reading and keys featuring positive click action. These balances have a talent for showing weight readouts within seconds. This makes weighing routines a real pleasure, especially when you're dealing with high sample throughputs.

Simply reliable –
built with the ideal design framework
Superb weighing system technology, rugged construction of the balance housing, a sleek stainless steel weighing pan and a keypad sealed by an overlay ensure years of reliable service and weighing accuracy.

Simply included – portability features
Many Sartorius Talent balances are battery-operable, giving you an alternative to stationary power outlets. (See "Standard features at a glance" for a list of these models). So you can take along a talented weighing instrument anywhere in the field.

When you need true portability, just install eight commercially available 1.5 V AA batteries, and you're all set to go. The power saver feature extends the life of the batteries, whether or not they're the rechargeable or non-rechargeable kind. This function will automatically shut off the balance after 2 minutes of non-use. Two more plus points for portability: the balance's compact size and light weight.

Simply integrated –
application software
The Talent balances come standard with a variety of application programs built in, helping to simplify routine tasks:

Weighing in percent

Net-total formulation

Averaging | dynamic weighing

Counting of small parts

Toggling between two weight units

**Simply logical –
the RS-232C serial port**

Every Sartorius Talent series balance has a bidirectional RS-232C interface port as a standard feature. The specific benefits for you are no extra purchase cost if you need to print weighing results using an optional Sartorius printer or if you require a remote display so that those in the back row in classrooms can see everything, too.

Simply talented – the right features

With a choice of 19 rugged, fast and reliable models in the Sartorius Talent series, you can practically hold a real "Talent contest."

Standard features at a glance:

High-contrast LCD

All-glass draft shield chamber on 0.0001-g models, TE153S-DS and TE313S-DS

Cylindrical glass draft shield on TE153S and TE313S

Bidirectional RS-232C interface port

Automatic calibration and adjustment with an external weight, just at the press of a key

Built-in overload protection

4 digital filter levels to adapt the balance to the conditions at the place of use

Built-in application programs: weighing in percent, net-total formulation, averaging │ dynamic weighing, counting of small parts, mass conversion by toggling between two weight units

ISO │ GLP-compliant printing capability (only in conjunction with YDP03-0CE data printer)

Battery-operable (8 + AA 1.5 V non-rechargeable or rechargeable batteries) Models: TE612, TE412, TE212, TE6101, TE4101, TE2101, TE601, TE12000, TE6100, TE4100

2 tare keys (for left- and right-handed persons);

all keys feature positive click action

AC adapter, plug style

Specifications

Model	Readability (g)	Weighing capacity (g)	Pan size (mm)	Response time average (s)	Repeatability (≤ ± g)	Linearity (≤ ± g)	Design
TE214S	0.0001	210	∅ 90	3	0.0001	0.0002	1
TE124S	0.0001	120	∅ 90	3	0.0001	0.0002	1
TE64	0.0001	60	∅ 90	3	0.0001	0.0002	1
TE313S	0.001	310	∅ 100	2.5	0.001	0.002	2
TE313S-DS	0.001	310	∅ 100	2.5	0.001	0.002	1
TE153S	0.001	150	∅ 100	2.5	0.0015	0.003	2
TE153S-DS	0.001	150	∅ 100	2.5	0.0015	0.003	1
TE3102S	0.01	3,100	174 × 143	2.5	0.01	0.02	4
TE1502S	0.01	1,500	174 × 143	2.5	0.015	0.03	4
TE612	0.01	610	∅ 116	2	0.01	0.02	3
TE412	0.01	410	∅ 116	2	0.01	0.02	3
TE212	0.01	210	∅ 116	2	0.01	0.02	3
TE6101	0.1	6,100	174 × 143	2	0.1	0.2	4
TE4101	0.1	4,100	174 × 143	2	0.1	0.2	4
TE2101	0.1	2,100	174 × 143	1.5	0.1	0.2	4
TE601	0.1	610	174 × 143	1.5	0.1	0.2	4
TE12000	1	12,000	174 × 143	1.5	1	2	4
TE6100	1	6,100	174 × 143	1.5	1	2	4
TE4100	1	4,100	174 × 143	1.5	1	2	4

Design 1

Design 2

Design 3

Design 4

Accessories

Accessories		Order No.
Rechargeable battery pack	external (hours of operation depend on the model)	YRB08Z
In-use dust cover	for the display unit on models TE214S, TE124S, TE64, TE313S-DS, TE153S-DS	6960TE01
	for models TE612, TE412, TE212, TE153S, TE313S	6960TE02
	for models TE12000, TE6100, TE4100, TE3102S, TE1502S, TE6101, TE601, TE4101, TE2101	6960TE03
Data printer	with standard print and numbering functions (GLP printout not possible)	YDP04
	with date, time, statistics and GLP print functions	YDP03-0CE
RS-232C data interface	for connection to a PC with a 25-pin COM port; length approx. 1.5 m	7357312
	for connection to a PC with a 9-pin COM port; length approx. 1.5 m	7357314
Carrying case	for models TE612, TE412, TE212, TE153S, TE313S, TE12000, TE6100, TE4100, TE3102S, TE1502S, TE6101, TE4101, TE2101	YDB01TE
Remote display	LCD; height of digits: 13 mm; reflective	YRD02Z
	LCD; height of digits: 13 mm; for overhead projectors, transmissive	YRD13Z
Foot switch	incl. T-connector	YFS01
Hand switch	incl. T-connector	YHS02
Test and calibration weight	for all TE models; extensive range of weights; alternatively with DKD certificate	Available on request