

Budget Class Analytical and Precision Balances: Talent Series The Affordable Introduction to Sartorius Weighing Technology



Sartorius Talent series balances are the alternative for all your simple weighing operations: economically priced yet with an uncompromisingly high degree of quality, reliability and sophisticated weighing technology. Whether you need to operate a balance in the lab, at school or a university, or in the field using the battery function, a balance from the Sartorius Talent series will always be the Number 1 choice.

Nineteen models – one design

The right weighing capacity for every application and every budget? No problem with the Talent series. It offers you 3 analytical balances with weighing capacities of 60 g, 120 g and 210 g, respectively, and a total of 16 precision balances – ranging from the top-of-the-line model with a 3,100-g weighing capacity and 0.01-g readability to the high capacity model featuring a 12-kg capacity.

Easy to operate for reliable results

When it comes to strictly weighing, easy operation is top priority. The balances of the new series prove to be particularly talented in this area: just set up the balance, turn it on, and you'll be "on your weigh." It couldn't be any easier than that!

Dependable and accurate

The innovative weigh cell technology, the rugged construction of the balance housing, the sleek stainless steel weighing pan and the keypad sealed by a membrane overlay assure high dependability and accuracy, even during frequent use.

Portability is standard

Many of the Talent series balances are also battery-operable, providing an alternative to line current operation. The built-in "power-saver" feature extends the service life of the battery. This function will automatically shut off the balance if a key has not been pressed after 2 minutes. An added benefit of this portable application: the balance is compact and lightweight.

Built-in application software

Talent series balances offer various application programs as standard features to make routine work easy: weighing in percent, net-total formulation, weigh averaging| dynamic weighing, counting and mass unit conversion.

RS-232C interface port

Each model comes standard with a bidirectional RS-232C interface port. This means no extra cost if you need to log the balance-generated results on an optional printer or connect a remote display for use in the educational sector.



Design 1



Design 2



Design 3



Design 4

Specifications

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

Analytical balances

| | | | | | | | |
|--------|--------|-----|------|---|--------|--------|---|
| TE214S | 0.0001 | 210 | Ø 90 | 3 | 0.0001 | 0.0002 | 1 |
| TE124S | 0.0001 | 120 | Ø 90 | 3 | 0.0001 | 0.0002 | 1 |
| TE64 | 0.0001 | 60 | Ø 90 | 3 | 0.0001 | 0.0002 | 1 |

Precision balances

| | | | | | | | |
|-----------|-------|--------|-----------|-----|--------|-------|---|
| TE313S | 0.001 | 310 | Ø 100 | 2.5 | 0.001 | 0.002 | 2 |
| TE313S-DS | 0.001 | 310 | Ø 100 | 2.5 | 0.001 | 0.002 | 1 |
| TE153S | 0.001 | 150 | Ø 100 | 2.5 | 0.0015 | 0.003 | 2 |
| TE153S-DS | 0.001 | 150 | Ø 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 | Ø 116 | 2 | 0.01 | 0.02 | 3 |
| TE412 | 0.01 | 410 | Ø 116 | 2 | 0.01 | 0.02 | 3 |
| TE212 | 0.01 | 210 | Ø 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 |