Cubis®. The New Benchmark
Cubis®.
The Definition of a New Class.

The Cubis® was developed for users, who expect the best possible performance from a lab balance across the board but only want to invest in what is necessary. For this reason, Sartorius has gone far beyond simply further developing what already exists. The new Cubis® represents a groundbreaking new concept:

Cubis® is the first lab balance of an entirely modular design which means that display and control units, weighing models, draft shield models, interfaces, and much more can be freely combined.

But it doesn’t end there. Even the technological innovations and features included in this lab balance for the first time place the Cubis® far beyond the current standards for premium lab balances.

It offers the user never before seen freedom of choice. The user can configure his or her lab balance to suit his or her individual needs.

This makes every Cubis® a unique and unrivaled balance because every Cubis® is tailored to an individual profile of specifications without compromising a thing.
Safe and Easy to Use with Q-Guide

In addition to aspects strictly involving metrological specifications, preparing for and performing a weighing procedure and meeting the relevant regulatory standards are gaining ever-increasing importance.

With the Q-Guide user interface, work tasks are not only faster but Q-Guide eliminates the need for the user to follow time-consuming working steps.

The Q-Guide is designed so that the user only ever sees what is needed for carrying out the task in hand. Once a task has been defined, Q-guide guides the user interactively through the settings and hides information that is not relevant.
Consistently Precise Leveling with the Automatic Q-Level Function

Exact leveling of a lab balance is the key element in inspection equipment monitoring and is essential for reliable readings. This is where Q-Level can provide valuable support because with Q-Level the user can define which tasks the balance should carry out and which the user will perform himself/herself. This is possible regardless of which of the three display control units is chosen.

Cubis® is the first lab balance that automatically checks, performs and documents its exact leveling. There’s no easier way to ensure that a lab balance is set up properly. This lifts the burden on the user and allows more time for the actual tasks as well as being safer.

In pharmaceutical laboratories balances are often installed into safety weighing cabinets or workbenches to protect the user and prevent the sample from being contaminated. With conventional balances leveling often presents the problem that the mechanical level indicator is poorly visible or cannot be seen at all and the protective compartment must not be opened. With Q-Level this is no longer a problem. With the touch of a button, the Cubis® balance is leveled, quickly, safely and with a significantly reduced risk of contamination for the user.

Monitoring Leveling
Alongside manual leveling as standard with operator guidance, Cubis® offers the option of automatic leveling at the touch of a button1). If the Cubis® balance’s constant monitoring function detects that it is no longer leveled, an alert message will appear and the user will be prompted to start the leveling process. Once started, internal motors level the balance in a matter of seconds.

<table>
<thead>
<tr>
<th>Leveling Procedure</th>
<th>Check</th>
<th>Alert message</th>
<th>Leveling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic</td>
<td>□</td>
<td>□</td>
<td>§ 0</td>
</tr>
<tr>
<td>Automatic once started by the user</td>
<td>□</td>
<td>□</td>
<td>§ 0</td>
</tr>
<tr>
<td>Manual with operator guidance</td>
<td>□</td>
<td>□</td>
<td></td>
</tr>
</tbody>
</table>

1) motorized leveling feet

Automatic by pressing a button
Manual, with guidance via the display

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1) motorized leveling feet

Automatic by pressing a button
Manual, with guidance via the display

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More Safety, More Application Possibilities

The first lab balance with Q-Pan off-center load compensation

The Cubis is the first lab balance that compensates for off-center loading of the weighing pan. Q-Pan simultaneously offers the user two advantages: A significant reduction in the off-center load error and consequently the use of larger weighing pans.

Q-Grid

The Q-Grid grid pan (accessory YWP03MS) is available for all Cubis models with a readability of 10 or 100 mg (apart from model 5202S). Foremost it allows the use of a balance with a larger pan with the same laminar flow as safety weighing cabinets, workbenches, or even laboratory hoods without restricting the performance of the balance. As a result, an application often encountered in pharmaceutical labs is made easier.

Q-Grip

Q-Grip (accessory YFH01MS) is a flexible and adaptable “one-size-fits-all” holder for bottles, test tubes, reaction containers or filters (up to 120 mm) for all Cubis’ semi-microbalances and analytical balances. Simply use it in place of the original weighing pan of the balance. Its individually adjustable angle always ensures ergonomic work during filling processes or using pipettes to transfer samples into various containers.
The Right Draft Shield for Any Task

All draft shield models for the Cubis® offer noticeable, practical advantages over conventional lab balances. Despite their high mechanical stability, the draft shields of the Cubis® run very smoothly thanks to their new materials. They allow outstanding visibility over the entire weighing chamber and protect it against external impact factors. Contrary to conventional lab balances, where an electrostatically charged draft shield can lead to measuring errors, the Cubis® eliminates these potential sources for error through a conductive coating on the glass panels.

Cleaning
For cleaning purposes, all doors of the draft shield can be disassembled in just a few steps, without compromising the stability of the unit as a whole.

Opening the Draft Shield
The motorized draft shield can be opened and closed without being touched simply by using the infrared switch (YHS01MS). This offers additional safety, especially for applications involving toxic substances.

Q-Stat
At the touch of a button, the Q-Stat ionizer integrated into the DI draft shield can quickly dissipate electrostatic charges on sample containers and substances, which would affect the weighing measurements. The effective principle of four ion jets achieves this without disruptive air streams. As a result, stable and accurate weighing results can be guaranteed regardless of external influences.
The high precision requirements in analytical testing and quantitative analyses in the pharmaceutical industry make the use of high-resolution balances indispensable. FDA-compliant working is only possible with laboratory balances that meet the minimum accuracy requirements of the US Pharmacopeia. This leads to the fact that, for weighing-in of less than 10 mg, microbalances or even ultramicrobalances often need to be used.

In addition, the substances to be analyzed are often available only in very small quantities and are correspondingly expensive. Alternatively, they are so potently effective that only minimum quantities can be worked with, so as not to endanger the user. Cubis microbalances and ultramicrobalances fulfill the most stringent requirements. They offer the user the highest level of safety in terms of result reliability and standard conformity.

Short measurement times result in time gained – for every single measurement. In particular, the motorized 100% glass draft shield means that working with minimum sample sizes is fast and effortless. An intelligent learning capability allows adaptation to every workflow.

Efficient Cleaning
Easy and fast cleaning is especially important when working with minute sample sizes so as to prevent cross-contamination. All parts of the draft shield can be removed easily. After cleaning, the balance is ready to be used again just as quickly.

Filter Weighing
The special DF stainless-steel filter draft shield is optimized for ultraprecise weighing of filters. This filter draft shield minimizes electrostatic effects. Different weighing pan diameters are available for different filter sizes (50 mm as standard | 75 mm and 90 mm optional).

Optional Accessories
Weighing scoop: 6566-50

Making High-end Balances Easy to Use
If the user does not have any complex application requirements, but nevertheless requires uncompromising reliability in the weighing results, the MSE control head in conjunction with the weighing modules of the microbalances and ultramicrobalances offers a perfect and cost-effective solution.

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Web Communication

Web services offer a new communication platform that allows external software systems to directly show and use information, entry fields, menus, or complex operations on the touch screen of the MSA display and control unit. This eliminates the need for installing PCs, laptops, or terminals in the area directly around the balance.

Communication with External Software

It is possible to connect Cubis® to external software systems. Using the balance’s default standardized SICS communication protocol, it is also possible to communicate with software from other manufacturers.

Q-Com for Unlimited Communication

Ready to Use in Seconds

All data, such as the user’s master data or tasks, can be transferred easily and safely from one Cubis® to another using an SD card (not on the MSE). The time needed for configuration, especially when many un-networked balances are in use, is therefore significantly reduced.

GLP-compliant, Configurable Printout

When Cubis® is used in contaminated areas (enclosed protected areas), a wireless transmission option (Bluetooth®) is also available.

Interface Options

Three fixed (USB, RS232C, Ethernet [not for MSE]) and three optional interface ports make almost all forms of bidirectional communication possible. Up to four interface ports can be used simultaneously.

Communication with External Software

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Advanced Pharma Compliance
for Use in Regulated Sectors

Balance Monitoring

The first balance with automatic leveling: Q-Level
Q-Level combines novel sensors with the most advanced display technology, making it easier and faster to level the balance accurately. A standard feature of Cubis MSA and MSU display and control units, interactive prompting guides you during manual leveling. The display provides all the necessary information: the position of the air bubble and instructions regarding which leveling foot must be turned in which direction (with MSE there are symbols only).

Fully Automatic Calibration | Adjustment with isoCAL
The isoCAL calibration and adjustment function will activate after a preset or configurable time period. Exceeding a preset or configurable temperature difference triggers a recalibration/re-adjustment.

Process Monitoring

User Management
Username | password management for tamper-proof security.

Action Hierarchy
Cubis® has warning and reminder functions with a configurable action hierarchy for leveling, minimum initial weighing, and calibration/adjustment.

Cleaning Validation
It is easy to clean Cubis® quickly and thoroughly. Only high-grade materials with smooth, structure-free surfaces are used.

Audit Trail
The audit trail function logs major changes to the device. For critical/validated weighing, this feature insures only accurate, reliable results.

Compatibility and Retraceability

Risk Analysis
As a basis for the GLP suitability review and cleaning validation, many models with MSA display and control units, for example, had a risk analysis according to the methods set by the Failure Mode and Effect Analysis (FMEA). The analysis is available on request.

Q-Level combines novel sensors with the most advanced display technology, making it easier and faster to level the balance accurately. A standard feature of Cubis MSA and MSU display and control units, interactive prompting guides you during manual leveling. The display provides all the necessary information: the position of the air bubble and instructions regarding which leveling foot must be turned in which direction (with MSE there are symbols only).

Fully Automatic Calibration | Adjustment with isoCAL
The isoCAL calibration and adjustment function will activate after a preset or configurable time period. Exceeding a preset or configurable temperature difference triggers a recalibration/re-adjustment.

SMin Function
During the weighing process, Cubis® monitors compliance of the mandatory minimum initial weight set by the FDA according to USP. Once the minimum initial weight has been set at the place of installation, Cubis® warns the user when the value falls below this level and identifies unacceptable weight measurements.

DKD Measurement Uncertainty
In conjunction with a DKD calibration by Sartorius Service, the characteristic curve of the measurement uncertainty can also be integrated into the Cubis® software. For each weight value, you can then optionally display the absolute or relative measurement uncertainty or the process accuracy.

Task Management
With task management, Cubis® allows application processes to be shown and defined by the user during weighing. Once the task has been set up, the user is interactively guided through the weighing process. Information that is not relevant is hidden, minimizing potential errors in the work process and step-by-step user defined workflow.

ISO Measurement
Linearity
Linearity errors occur when there are deviations from the theoretical linear path of the balance’s characteristic curve. Optimal linearization is a requirement for the balance to fulfill its high accuracy criteria. Cubis® corrects linearity errors automatically.

Reproducibility Test
Cubis® allows the user to measure the reproducibility of the balance directly at the place of installation with just the press of a button. With reproTEST it is possible to quickly establish if the environment at the place of installation is suitable, so that the balance consistently provides optimal, reliable weighing results.

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Systematic Personnel Safety and Result Reliability

Safety in weighing toxic, powdery substances and accuracy of weighing-in are requirements that have become inseparably linked in modern laboratory environments.

The Sartorius Safety PowderHood, consisting of the safety weighing cabinet SPH and Cubis® lab balance, is the professional solution to both of these requirements.

The safety weighing cabinet creates a contained area around the lab balance which prevents any air or finely powdered particulates from escaping into the breathing zone of the user. At the same time, due to the constant inlet air velocity of the air current and the low-turbulence flow within the cabinet, consistent and reproducible weighing results are guaranteed.

The balance and weighing cabinet are a coordinated system that meets both requirements – maximum user protection and secure weighing results.

Sartorius guarantees that balances used inside the SPH will fulfill their technical specifications such as reproducibility and USP minimum weighing-in.
### Technical Specifications

#### Cubis® Display and Control Units

Select the display and control unit and enter it in the field marked with the icon.

<table>
<thead>
<tr>
<th>Types</th>
<th>MSA</th>
<th>MSU</th>
<th>MSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation</td>
<td>Touch screen, keys for central basic functions</td>
<td>Keys</td>
<td>Keys</td>
</tr>
<tr>
<td>Display</td>
<td>High-resolution color TFT, 5.7” graphic display</td>
<td>High-resolution black</td>
<td>white</td>
</tr>
<tr>
<td>Adaptation of the display and control unit</td>
<td>Tiltable display, removable display and control unit</td>
<td>Tiltable display, removable display and control unit</td>
<td>Removable display and control unit</td>
</tr>
<tr>
<td>Standard data interfaces and options</td>
<td>– USB (integrated into weighing module)</td>
<td>– USB (integrated into weighing module)</td>
<td>– Ethernet (integrated into display and control unit)</td>
</tr>
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<td>– RS232C accessory interface, 25-pin (integrated into weighing module)</td>
<td>– RS232C accessory interface, 25-pin (integrated into weighing module)</td>
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<td></td>
</tr>
<tr>
<td>– Optional wireless Bluetooth interface (integrated into weighing module)</td>
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<td></td>
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<tr>
<td>SD card reader</td>
<td>Integrated as standard into display and control unit</td>
<td>Integrated as standard into display and control unit</td>
<td>– not available</td>
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<tr>
<td>Operation of motorized draft shield (only applies to DA or DI draft shield)</td>
<td>Activated by side keys or touch-free using IR switch (optional); learning capability</td>
<td>Activated by side keys or touch-free using IR switch (optional); learning capability</td>
<td>Activated by key or touch-free using IR switch (optional); learning capability</td>
</tr>
<tr>
<td>Applications</td>
<td>Unit conversion, SQmin function for minimum initial weight according to USP, isoCAL automatic calibration</td>
<td>Unit conversion, SQmin function for minimum initial weight according to USP, isoCAL automatic calibration</td>
<td>Unit conversion, isoCAL automatic calibration</td>
</tr>
</tbody>
</table>

#### Cubis’ Weighing Modules

Please enter the model name, starting from the left, in the field identified by the icon.

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
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<td>Microbalances</td>
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<td>0.001 mg</td>
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<td></td>
<td>0.01 mg</td>
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<tr>
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<td>2</td>
<td>6</td>
<td>0.0…0.15</td>
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<tr>
<td>225P</td>
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<td>3.35 x 3.35</td>
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<td></td>
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<td>3</td>
<td>0.1</td>
<td>0.2</td>
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</table>
## Cubis' Weighing Modules

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<table>
<thead>
<tr>
<th>Readability</th>
<th>Weighing Capacity</th>
<th>Weighing Pan (W x D)</th>
<th>Typical Stabilization Time</th>
<th>Typical Measurement Time</th>
<th>Repeatability</th>
<th>Linearity</th>
<th>Minimum Initial Weight</th>
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<tr>
<td>[g]</td>
<td>[g]</td>
<td>[inches]</td>
<td>[s]</td>
<td>[s]</td>
<td>[±g]</td>
<td>[±g]</td>
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### Precision Balances

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<tr>
<th>Model</th>
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<th>Weighing Pan (W x D)</th>
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<th>Typical Measurement Time</th>
<th>Repeatability</th>
<th>Linearity</th>
<th>Minimum Initial Weight</th>
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<tbody>
<tr>
<td>5203S</td>
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<td>5,200</td>
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<td>0.005</td>
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<tr>
<td>6202S</td>
<td>0.01</td>
<td>6,200</td>
<td>8.1 x 8.1</td>
<td>1</td>
<td>1.5</td>
<td>0.007</td>
<td>0.02</td>
<td>12</td>
</tr>
<tr>
<td>6202P</td>
<td>0.01</td>
<td>1,500</td>
<td>8.1 x 8.1</td>
<td>1</td>
<td>1.5</td>
<td>0.007</td>
<td>0.02</td>
<td>0.04</td>
</tr>
<tr>
<td>5202S</td>
<td>0.01</td>
<td>5,200</td>
<td>8.1 x 8.1</td>
<td>0.8</td>
<td>1.5</td>
<td>0.006</td>
<td>0.01</td>
<td>10</td>
</tr>
<tr>
<td>4202S</td>
<td>0.01</td>
<td>4,200</td>
<td>8.1 x 8.1</td>
<td>0.8</td>
<td>1.5</td>
<td>0.007</td>
<td>0.02</td>
<td>12</td>
</tr>
<tr>
<td>2202S</td>
<td>0.01</td>
<td>2,200</td>
<td>8.1 x 8.1</td>
<td>0.8</td>
<td>1.5</td>
<td>0.007</td>
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<td>12</td>
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<tr>
<td>1202S</td>
<td>0.01</td>
<td>1,200</td>
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</tr>
<tr>
<td>12201S</td>
<td>0.1</td>
<td>12,200</td>
<td>8.1 x 8.1</td>
<td>0.8</td>
<td>1.5</td>
<td>0.05</td>
<td>0.1</td>
<td>100</td>
</tr>
<tr>
<td>8201S</td>
<td>0.1</td>
<td>8,200</td>
<td>8.1 x 8.1</td>
<td>0.8</td>
<td>1.5</td>
<td>0.05</td>
<td>0.1</td>
<td>100</td>
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<td>0.1</td>
<td>100</td>
</tr>
</tbody>
</table>

* Typical minimum initial weight according to USP (United States Pharmacopeia), USP31–NF26

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**Cubis' Leveling**

Select the type of leveling and enter the identifier "Ø" or "1" in the field marked by the icon.

- **Ø** Cubis® shows the level indicator on the display and provides support for rapid leveling (a standard feature on MSA and MSU display and control units; for MSE units, only symbols are provided as an aid for manual leveling).
- **1** Fully automatic, motorized Q-Level leveling at the touch of a button (available for all Cubis’ weighing modules with a weighing capacity > 6.1 g and ≤ 6,200 g).

**Test Certificates and Permits**

Select a test certificate | permit and enter the identifier in the field marked with the icon.

- **ØØ** Standard certificate of conformity to specifications
- **TR** Certificate of conformity, plus detailed test protocol

---

**Cubis® Weighing Modules**

Please enter the model name, starting from the left, in the field identified by the icon.

<table>
<thead>
<tr>
<th>Readability</th>
<th>Weighing Capacity</th>
<th>Weighing Pan (W x D)</th>
<th>Typical Stabilization Time</th>
<th>Typical Measurement Time</th>
<th>Repeatability</th>
<th>Linearity</th>
<th>Minimum Initial Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>[g]</td>
<td>[g]</td>
<td>[inches]</td>
<td>[s]</td>
<td>[s]</td>
<td>[±g]</td>
<td>[±g]</td>
<td>[g]*</td>
</tr>
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### Technical Specifications

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**Cubis® Weighing Modules**

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**Test Certificates and Permits**

Select a test certificate | permit and enter the identifier in the field marked with the icon.

- **ØØ** Standard certificate of conformity to specifications
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Cubis® Draft Shields
Select a draft shield and enter the corresponding identifier in the field marked with the icon.

DO No draft shield. Please always enter this identifier for weighing modules with the weighing pan size 206 x 206 mm.

DR Flat stainless-steel weighing pan draft shield (removable, without glass components) for all precision balances with a readability of 1 mg and weighing module 5202s.

DE Manual glass draft shield for precision balances with a readability of 1 mg and weighing module 5202s.

DU Manual analytical balance draft shield with smooth-running, wide-opening doors, unimpeded access to the weighing chamber without interfering braces. For all models with 0.01 mg, 0.1 mg and 1 mg readability and weighing module 5202s.

DA Automatic, motorized draft shield with learning capability for ergonomic working and individual adaptation to different applications. For all models with 0.01 mg, 0.1 mg and 1 mg readability and weighing module 5202s.

DI Like the DA draft shield, but with the addition of an integrated ionizer to eliminate the impact of electrostatic charges in samples and containers.

DM Automatic, motorized, round 100% glass draft shield with learning capability for ultramicrobalances and microbalances with a readability of 0.0001 mg and 0.001 mg (2.7S, 6.6S and 3.6P weighing modules).

DF Manual draft shield for weighing filters with diameters of up to 50 mm (75 mm and 90 mm optionally) made from stainless steel. Available on 2.7S and 6.6S weighing modules only.

Optional Interface Modules
Depending on the balance, it may be possible to select an additional interface module.

IR RS232 interface, 25-pin

IB Wireless Bluetooth® interface

IP RS232 interface, 9-pin, incl. PS/2 interface

Cubis® Optional Accessories
Printers and Communication
- Verifiable data printer for connection to RS-232, 25-pin accessory interface (YDP10-OCE)
- Verifiable data printer with Bluetooth® data transmission (with YDO01MS-B or IB option only) (YDP10BT-OCE)
  - Ink ribbon cartridge for YDP10-OCE and YDP10BT-OCE (YDO06918)
  - Paper rolls for printer YDP10-OCE, 5 rolls, 165 ft. each (YDO06927)
  - Bluetooth® data interface for wireless connection of data printer YDP10BT (YDO01MS-B)
  - RS232C data interface, 9-pin including PS/2 for connecting a PC or keyboard (YDO01MS-P)
  - RS232C data interface, 25-pin for connection of Cubis® balances (YDO01MS-R)
- Display cable 9 ft. for Cubis® MSA and MSU models, for separate setup of display and weighing unit (YCC01-MSEBD3)
- Display cable 9 ft. for Cubis® MSE models, for separate setup of display and weighing unit (YCC01-MSED3)
- Cable 9 ft. between weighing module and electronics module for Cubis® models with 0.01 mg readability (YCC01-MSM3)
- Installation display cable 3 m for Cubis® models, for separate setup of display and weighing unit (VF4016)
- RS232C connection cable to connect PC with 9-pin COM interface, length 5 ft. (YCC01-MSD3)
- Installation by Sartorius Service or in factory (order VF4016)
- SartoCollect software for data communication between balance and PC (free download of a 30-day trial version from the Sartorius website)
  - Initial license (6289OPC)
  - Each additional license within an order (6289OPC-L)

Displays and Input | Output Elements
- MSA control unit with color TFT graphic display and touch screen (YAC01MSA)
- MSE display unit with backlit LC display and tactile keys (YAC01MSE)
- MSU control unit with backlit LC graphic display and tactile navigation keys (YAC01MSU)
- Barcode reader with connection cable, 4.7 inch reading range (YBR05PS2)
- Foot switch for printing, taring, or using function keys, selection via menu, incl. T connector (YFS01)
- Infrared sensor for touch-free activation of functions (e.g., draft shield control) (YHS01MS)
- Hand switch for printing, taring, or using function keys, selection via menu, incl. T connector (YHS02)
- Foot switch for the draft shield OPEN | CLOSED functions (only in combination with DA and DI draft shields), taring and printing (YFS01RC)
- Additional display, LCD, size 0.5 inch, backlit (YRD03Z)
- 3-segment control display, red – green – red, for plus | minus measurements, incl. T connector (YRD11Z)

www.scaleman.com your Authorized Sartorius Distributor
Pipette Calibration Hardware and Software

Pipette calibration kit (hardware) for models with 0.1 mg and 0.01 mg readability
Consists of moisture trap and all required adapters
YCP04MS

Pipette calibration kit (hardware) for microbalance weighing modules 6.6S and 3.6P
Consists of moisture trap and all required adapters
VF988

Pipette Tracker pipette calibration software. Software and user manual in English only.
YCP04-PT

Pipette Tracker Pro pipette calibration software, for use in regulated areas, networkable and validatable, according to the 21 CFR Part 11 regulations. Software and user manual in English only.
YCP04-PTPro

Documentation basis for validation (IQ, OQ) of Pipette Tracker PRO version. All documents are in English only.
YCP04-VTK

Filter Weighing and Antistatic Accessories

Antistatic weighing pan, diameter 5 inches, for weighing modules with a readability of 0.1 mg or 0.01 mg
YWP01MS

Filter weighing pan 3 inches, for ultramicrobalance or microbalance modules (weighing modules 6.6S, 2.7S; only together with DF draft shield)
VF2562

Filter weighing pan 3.5 inches, for ultramicrobalance or microbalance models (weighing modules 6.6S, 2.7S; only together with DF draft shield)
VF2882

Ionization blower to eliminate electrostatic charges on sample containers and samples
YIB01-DR

Stat-Pen ionization probe for discharging electrostatically charged samples and filters
YSTP01

Special Applications

Density determination kit for solids and liquids for weighing modules with a readability < 1 mg
YDK01MS

Density determination kit for solids and liquids for weighing modules with a readability of 1 mg
YDK02MS

Q-Grip, flexible holder for weigh-in containers and filters up to 4.7 inches diameter (replaces the original weighing pan, for Cubis® models with 0.01 and 0.1 mg readability)
YFH01MS

Q-Grid grid weighing pan for Cubis® models with a readability of 10 mg or 100 mg for weighing in laboratory hoods, safety weighing cabinets or workbenches (reduced wind attack surface of the weighing pan; replaces the standard weighing pan)
YWP03MS

Weighing Tables

Weighing table made from synthetic stone, with vibration dampening
YWT03

Wall console
YWT04

Weighing table made from wood with synthetic stone for precise, reliable measurements
YWT09

Weighing Accessories

Weighing scoop made from chrome nickel steel, 3.5 x 1.3 x 0.3 inches
641214

Aluminum weighing scoop, 4.5 mg (250 pieces) for ultramicrobalance and microbalance models
6545-250

Aluminum weighing scoop, 52 mg (50 pieces) for ultramicrobalance and microbalance models
6546-50

Support arm for 10/100 mg precision weighing modules for raising the control units MSE, MSU, MSA
YDH01MS

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