# SCHULER SCIENTIFIC

**sd ≤ 1d**
**Even faster weighing**
**2-point adjustment system**

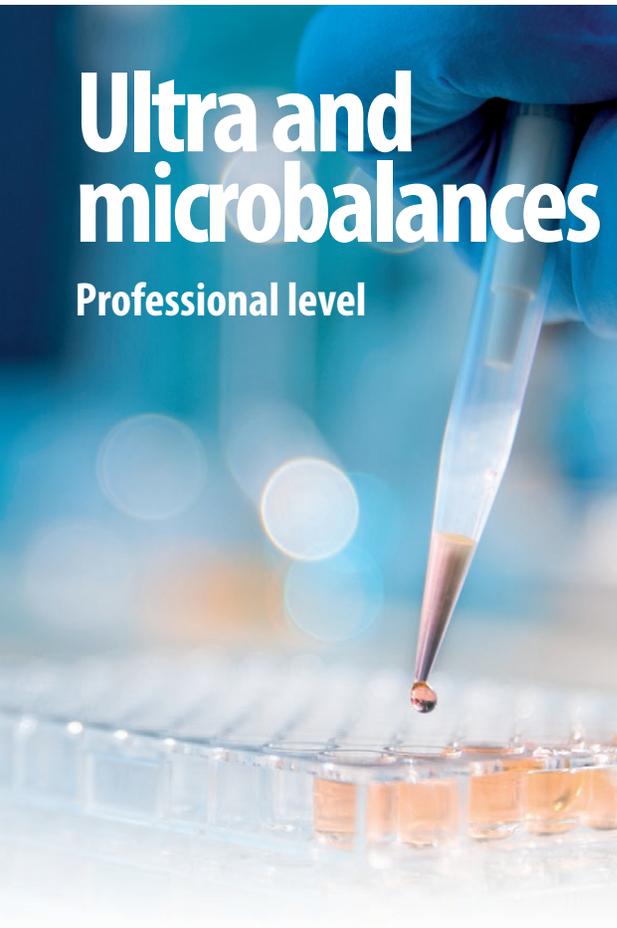www.schulersci.com

# Ultra
# and microbalances

PROFESSIONAL LEVEL

**Professional level of weighing**
**The highest measurement accuracy**

# Ultra and microbalances

## Professional level

**Faster measurement with the new CPU**
Ultra and microbalances feature a Dual Core 2 x 1 GB processor, which delivers noticeable performance improvements, including faster operation and shorter stabilization time retaining high repeatability values.

**Monitoring and elimination of electrostatics**
Installation of an additional deionizer module in a weighing chamber facilitates automatic detection and elimination of electrostatics effect to which both the sample and the container intended for measurement may be subjected.

**8 GB RAM – more data management possibilities**
8 GB RAM offers the possibility of recording data as complex reports. Time and statistic data diagrams on series of weighments are another useful option.

**The best possible repeatability and USP regulations conformity**
The best weighing accuracy and repeatability – with sd ≤ 1d combined with USP regulations conformity (Section 41 and 1251) make Ultra and microbalances a new standard for mass measurement quality.

**Ergonomics and safety**
Wireless communication between the balance terminal and a weighing unit make it possible to comfortably operate Ultra and microbalances series balances in laminar air flow cabinets and fume cupboards.

**Remote control operation**
The Wi-Fi module offers wireless transfer of data recorded by a Ultra and microbalances to any portable device powered by iOS or Android systems using special applications intended for data management.

**Data safety**
Every single 4Y balance features ALIBI memory designed to provide protection and automatic recording of your measurements. Options such as data preview, copying and archiving are also available to users.

| | SUMB.W<br>Ultra-microbalances | SMB.W<br>Microbalances | SMB.P<br>Microbalances<br>for pipettes calibration | SUMB.F<br>Ultra-microbalances<br>for filter weighing | SMB.F<br>Microbalances<br>for filter weighing |
|---|---|---|---|---|---|
| Max capacity [Max] | 2.1 g | 2.1 g - 21 g | 21 g | 2.1 g | 5.1 g |
| Readability [d] | 0.1 µg | 1 µg | 1 µg | 0.1 µg | 1 µg |
| USP minimum sample weight | 0.8 mg | 3 mg | 3 mg | 0.8 mg | 2 mg |
| Pan size | ø 16 mm | ø 16 mm, ø 26 mm | ø 26 mm | ø 50 mm | ø 26 mm, ø 100 mm, ø 160 mm |
| Automatically opened door | ● | ● | ● | – | – |
| Display | 5.7" color touch screen | | | | |
| Adjustment | internal (automatic) | | | | |
| Interfaces | 2 × USB, 2 × RS232, Wi-Fi, Ethernet, 4 × IN / 4 × OUT (digital) | | | | |