

A close-up photograph of a hand wearing a white nitrile glove, holding a metal stent. The stent is a cylindrical mesh structure with several vertical support legs. The background is dark and out of focus.

Specialized **Stent** Weighing Equipment

AK-5/100 STENT

Automatic Balance for Stents

Automatic Operation

Automatic weighing eliminates error due to human factor, which improves the repeatability of measurements.

Measurement of the Whole Sample Series

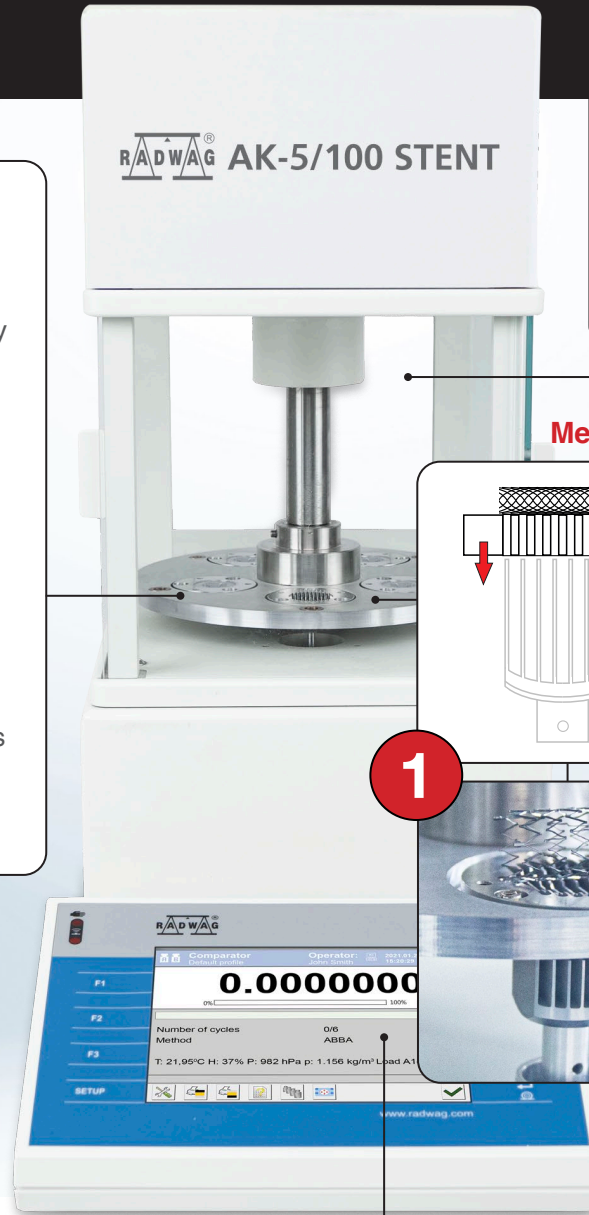
The device enables creating identical test conditions for the entire stent series.

Unique Weighing Pan

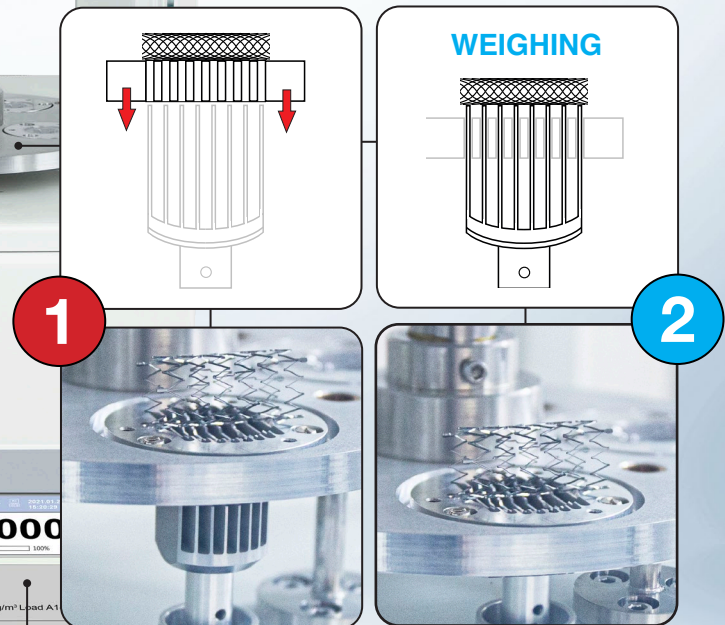
Weighing pan of custom design allows convenient weighing of 40 mm stents with a diameter of even 20 mm.

Spacious Chamber for Convenient Operation

In the weighing chamber there are perfect conditions enabling highly precise weighing. The spacious chamber makes loading of the weighing pan with stents comfortable and uncomplicated.

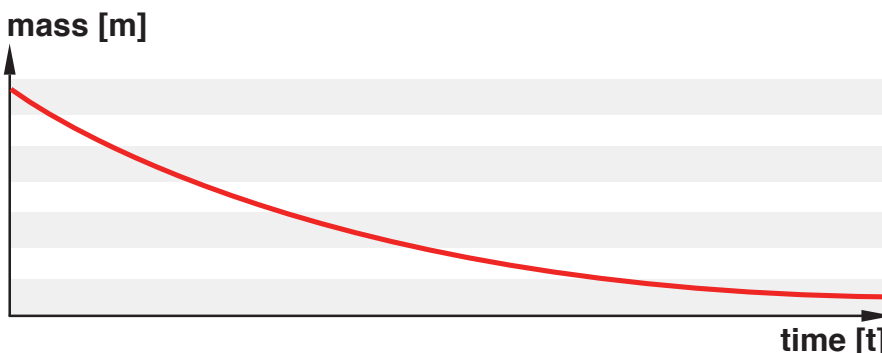


Measurement automation



MASS CHANGES Visualization

Thanks to the special function of the AK-5/100 STENT automatic balance for stents, it is possible to observe changes in stent mass over time.



Second to None Accuracy

The AK-5/100 STENT automatic balance for stents operates with the readability of $d = 0.1 \mu\text{g}$.

Differential Weighing

The AK-5/100 STENT, similarly to other RADWAG balances designed for stent weighing, features a special working mode, which enables analysis of sample mass changes during the technological process.

XA 6.4Y.M.A PLUS STENT Microbalance

Spacious Chamber

A large weighing hamber is a guarantee of operation ergonomics, and an innovative system controlling door opening and closing ensures smooth and silent door sliding.

Ease of Cleaning

The complete disassembly of the weighing chamber without the use of tools, the latch-type assembly system for components and the stainless steel weighing pan all make the XA 6.4Y.M.A PLUS STENT microbalance easy to clean.

Readability

Smaller stents can be weighed even with a readability of $d = 1 \mu\text{g}$ in the case of the microbalance, and with a readability of $d = 0.1 \mu\text{g}$ in case of the ultra-microbalance.



Dedicated solution for stent weighing: a special weighing pan with an additional shield, and a stent applicator.



Integrated Antistatic Ionizer

The alternating generation of positive and negative ions leads to an electrostatically inert working environment. The substance with which the stent is covered, when placed in such an environment, also becomes electrostatically inert, so that the weighing process runs smoothly.

Dedicated weighing pan for the smallest and lightest stents.



UYA 2.4Y PLUS STENT Ultra-microbalance

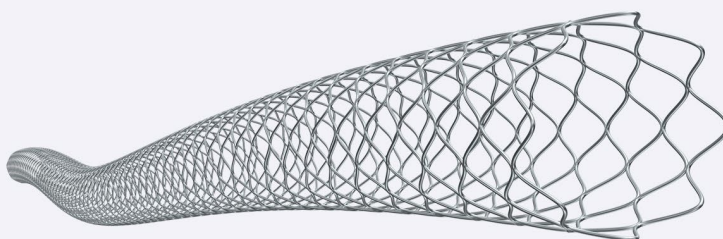
Top-Class Precision

The ultra-microbalance extends the functionality of a microbalance by allowing even smaller masses to be weighed.

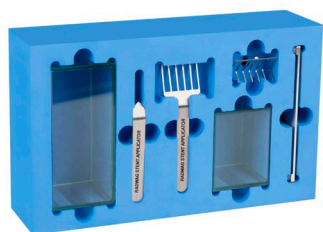


Various **STENTS** Dimensions

RADWAG stent weighing balances enable weighing stents of various dimensions, including:
5.5 × 140 mm, 6 × 60 mm, 8 × 40 mm, 8 × 40 mm, 19 × 10 mm, 1.6 × 19 mm



Set of Dedicated Accessories



Technical Specifications of the **BALANCES**



**AK-5/100
STENT**



**UYA 2.4Y PLUS
STENT**



**XA 6.4Y.M.A PLUS
STENT**

Maximum capacity [Max]	5.1 g	2.1 g	6 g
Readability [d]	1 µg	0.1 µg	1 µg
Standard repeatability (5% Max)*	0.8 µg	0.15 µg	1.3 µg
Standard repeatability Max	1 µg	0.35 µg	3.5 µg
Minimum weight USP	0.8 mg	0.3 mg	2.6 mg
Minimum weight	0.08 mg	0.03 mg	0.26 mg
Permissible repeatability (5% Max)*	1.5 µg	0.35 µg	2 µg
Permissible repeatability Max	2 µg	0.6 µg	5 µg
Linearity	±5 µg	±1.5 µg	±9 mg
Adjustment	External	Internal	Internal
Weighing Pan	Dedicated to stents		
Display	5,7" colour touch-screen		
Interfaces	2 × USB-A, 2 × RS 232, Ethernet, 4 × IN / 4 × OUT (digital), Wi-Fi®		

*Repeatability is expressed as a standard deviation from 10 weighing cycles (for 5% maximum capacity)
Wi-Fi® is a registered trademark of Wi-Fi® Alliance.