



# UMA 100.5Y Automatic Mass Comparator

More information on the website  
[mirror.radwag.com/en/info,w1,IXE](http://mirror.radwag.com/en/info,w1,IXE)



The drawings, photos and graphics used are for illustrative purposes only.

## Datasheet

Metrological parameters	
E1 Calibration Range	1 – 100 g
E2 Calibration Range	1 – 100 g
F1 Calibration Range	1 – 100 g
F2 Calibration Range	1 – 100 g
M1 Calibration Range	1 – 100 g
M2 Calibration Range	1 – 100 g
Maximum capacity [Max]	110 g
Readability [d]	0.001 mg
Standard repeatability [5% Max]	1.5 µg
Standard repeatability [Max]	2 µg
Permissible repeatability	3.5 µg
Eccentricity (tested load)	0 mg
Electric compensation range	-1 g – +10 g
Stabilization time	30 s
Adjustment	external

Physical parameters	
Display	10" graphic colour touchscreen
Weighing pan dimensions	ø21 mm
Weighing device dimensions	700×585×720 mm
Controlling device dimensions	460×250×195 mm
Packaging dimensions	1200×1000×1566 mm
Net weight	114.3 kg
Gross weight	204.3 kg
Supplementary weights internal	automatic
Supplementary weights external	-
Magazine positions	36

Communication interface	
Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot

Electrical parameters	
Power supply	100 – 240 V AC 50/60 Hz

Environmental conditions	
Operating temperature	+15 – +30 °C
Operating temperature change rate	±0.5 °C / 12 h (±0.3 °C / 4 h)
Relative humidity	40% – 60%
Relative humidity change rate	±5% / 12 h (3% / 4 h)

**Repeatability** is expressed as a standard deviation determined for 6 ABBA cycles. Standard deviation is experimentally determined under ambient conditions for calibration of E1 class mass standards specified in OIML R111 (Table C.1.) document.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



## Accessories

RFID Tags  
 Antivibration Tables  
 Additional modules  
 Protective cover for balances  
 Barcode scanners  
 RS 232, RS 485 cables

THBR 2.0 System - Ambient Conditions Monitoring  
 Receipt Printer  
 Fingerprint Reader  
 RS 232, RS 485 cables  
 RS 232 cables (scale - printer)

## Software

- RAD Key [WX-010-0005]
- RMCS System Network Management of Calibration Process [WX-010-0048]

- RMCS Lite [WX-010-0164]

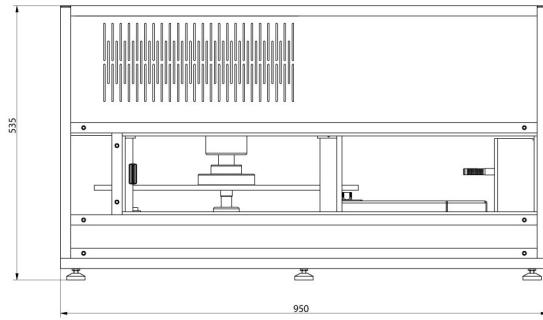
## Device dimensions



UMA-100, UMA-1000



UMA-control unit



UMA-5

