



More information on the website  
[mirror.radwag.com/en/info,w1,H20](http://mirror.radwag.com/en/info,w1,H20)

# UMA 10.5Y Automatic Mass Comparator



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

## Datasheet

Metrological parameters	
E1 Calibration Range	1 mg – 10 g
E2 Calibration Range	1 mg – 5 g
F1 Calibration Range	1 mg – 5 g
F2 Calibration Range	1 mg – 5 g
Maximum capacity [Max]	10 g
Readability [d]	0.0001 mg
Standard repeatability [5% Max]	0.2 µg
Standard repeatability [Max]	0.4 µg
Permissible repeatability	0.6 µg
Eccentricity (tested load)	0 µg
Electric compensation range	0 – 6.1 g
Stabilization time	30 s
Adjustment	internal (automatic)
Physical parameters	
Display	10" graphic colour touchscreen

Physical parameters	
Weighing pan dimensions	ø20 mm
Weighing device dimensions	950×590×540 mm
Controlling device dimensions	460×250×195 mm
Packaging dimensions	1200×800×1281 mm
Net weight	102.5 kg
Gross weight	183.5 kg
Supplementary weights internal	-
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 (Additional Fee)

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

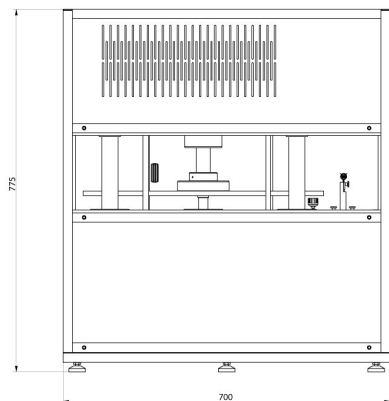
THBR 2.0 System - Ambient Conditions Monitoring  
 Receipt Printer  
 Fingerprint Reader  
 RS 232, RS 485 cables  
 RS 232 cables (scale - printer)

## Software (Additional Fee)

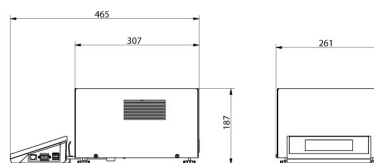
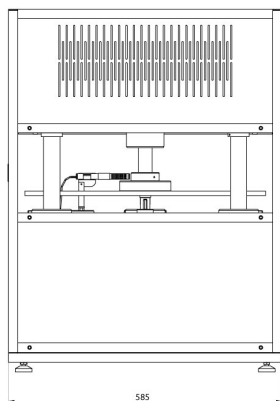
• RAD Key [WX-010-0005]  
 • RMCS System Network Management of Calibration Process [WX-010-0048]

• RMCS Lite [WX-010-0164]

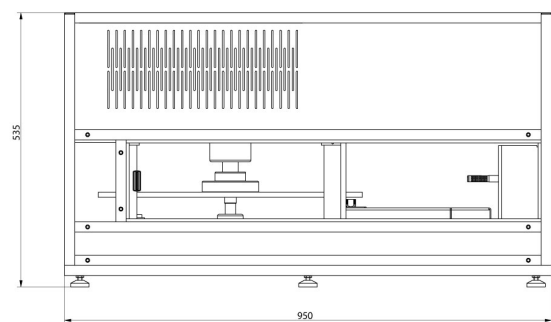
## Device dimensions



UMA-100, UMA-1000



UMA-control unit



UMA-5

