



# UMA 10.5Y Automatic Mass Comparator

WL-415-0008

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



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

## Datasheet

Metrological parameters	
E0 Calibration Range	1 mg – 10 g *
E1 Calibration Range	1 mg – 10 g
E2 Calibration Range	1 mg – 10 g
F1 Calibration Range	1 mg – 10 g
F2 Calibration Range	1 mg – 10 g
Maximum capacity [Max]	10.1 g
Readability [d]	0.0001 mg
Standard repeatability [5% Max]	0.2 µg
Standard repeatability [50% Max]	0.45 µg
Standard repeatability [Max]	0.7 µg
Permissible repeatability	1 µg
Eccentricity (tested load)	0 µg
Electric compensation range	0 – 10.1 g
Stabilization time	30 s
Adjustment	internal (automatic)

Physical parameters	
Display	10" graphic colour touchscreen
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	36
Communication interface	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), 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.

**E0 standard** determined from 1σ limiting error according to OIML R111 for class E1.

\* 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

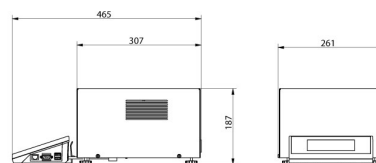
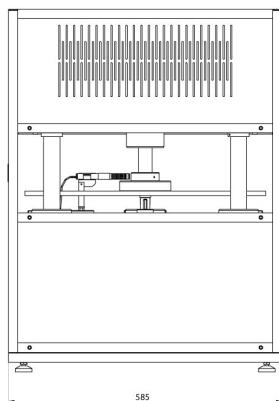
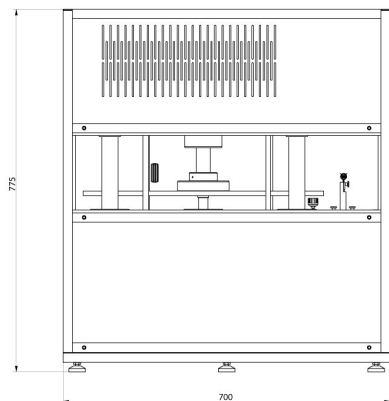
THBR 2.0 System - Ambient Conditions Monitoring  
 Receipt Printer  
 Fingerprint Reader  
 RS 232, RS 485 cables  
 RS 232 cables (scale - printer)

## Software (Additional Fee)

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

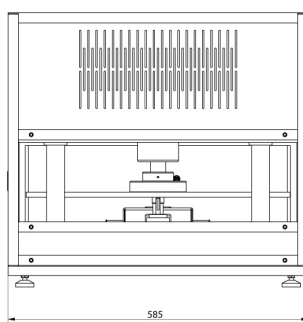
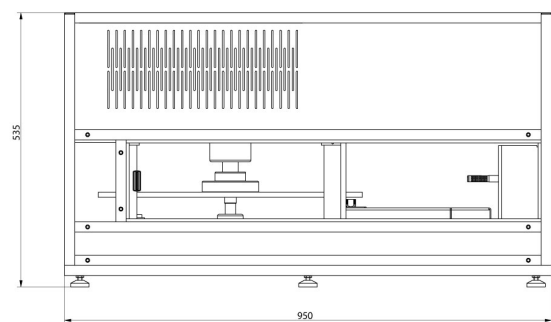
- RMCS Lite [WX-010-0164]

## Device dimensions



UMA-100, UMA-1000

UMA-control unit



UMA-5