



UMA 5.5Y Automatic Mass Comparator, UMA 100.5Y Automatic Mass Comparator, UMA 1000.5Y Automatic Mass Comparator

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



UMA 5.5Y Automatic Mass Comparator



UMA 100.5Y Automatic Mass Comparator



UMA 1000.5Y Automatic Mass Comparator

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

## Datasheet

	UMA 5.5Y Automatic Mass Comparator	UMA 100.5Y Automatic Mass Comparator	UMA 1000.5Y Automatic Mass Comparator
<b>Metrological parameters</b>			
<b>E1 Calibration Range</b>	1 mg ÷ 5 g	1 g ÷ 100 g	100 g ÷ 1000 g
<b>E2 Calibration Range</b>	1 mg ÷ 5 g	1 g ÷ 100 g	10 g ÷ 1000 g
<b>F1 Calibration Range</b>	1 mg ÷ 5 g	1 g ÷ 100 g	10 g ÷ 1000 g
<b>F2 Calibration Range</b>	1 mg ÷ 5 g	1 g ÷ 100 g	10 g ÷ 1000 g
<b>M2 Calibration Range</b>		1 g ÷ 100 g	
<b>Maximum capacity [Max]</b>	6,1 g	110 g	1060 g
<b>Readability [d]</b>	0,0001 mg	0,001 mg	0,005 mg
<b>Standard repeatability [5% Max]</b>	0,2 µg	1,5 µg	8 µg
<b>Standard repeatability [Max]</b>	0,4 µg	2 µg	12 µg
<b>Permissible repeatability</b>	0,6 µg	3,5 µg	20 µg
<b>Eccentricity (tested load)</b>			
<b>Electric compensation range</b>	0 ÷ 6,1 g	-1 g ÷ +10 g	-10 g ÷ +60 g
<b>Stabilization time</b>	30 s	30 s	30 s
<b>Adjustment</b>	internal (automatic)	external	external
<b>Physical parameters</b>			
<b>Display</b>	10" touchscreen	10" touchscreen	10" touchscreen
<b>Magazine positions</b>	36	36	18
<b>Weighing pan dimensions</b>	ø20 mm	ø21 mm	ø48 mm
<b>Weighing device dimensions</b>	950×590×540 mm	700×585×720 mm	700×585×720 mm
<b>Controlling device dimensions</b>	460×250×195 mm	460×250×195 mm	460×250×195 mm
<b>Packaging dimensions</b>	1200×800×1281 mm	1200×1000×1566 mm	1200×1000×1200 mm
<b>Net weight</b>	102,5 kg	114,3 kg	116 kg
<b>Gross weight</b>	183,5 kg	204,3 kg	206 kg
<b>Communication interface</b>			
<b>Communication interface</b>	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>			
<b>Power supply</b>	100 – 240 V AC 50/60 Hz	100 – 240 V AC 50/60 Hz	100 – 240 V AC 50/60 Hz
<b>Environmental conditions</b>			
<b>Operating temperature</b>	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
<b>Operating temperature change rate</b>	±0,5°C/12h (±0,3°C/4h)	±0,5°C/12h (±0,3°C/4h)	±0,5°C/12h (±0,3°C/4h)
<b>Relative humidity change rate</b>	±5%/12h (3%/4h)	±5%/12h (3%/4h)	±5%/12h (3%/4h)

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)

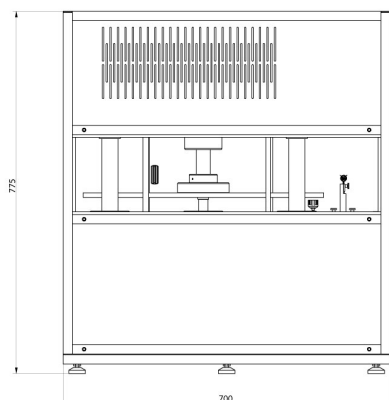
## Software

RAD-KEY  
RMCS System

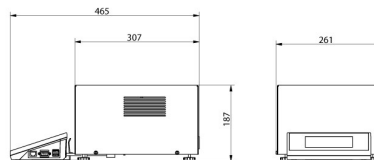
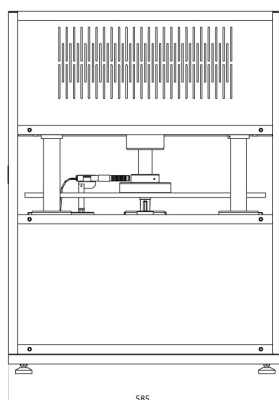
RMCS Lite

## Device dimensions

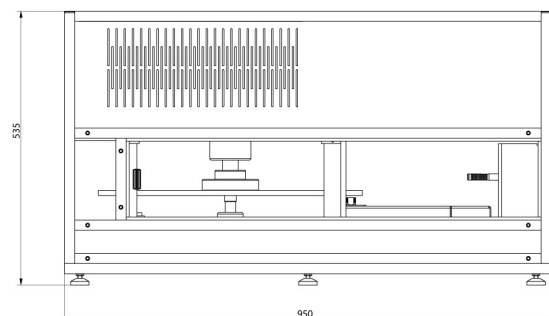
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UMA-100, UMA-1000



UMA-control unit



UMA-5

