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UMA 5.5Y Automatic Mass Comparator



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

## Datasheet

	UMA 5.5Y Automatic Mass Comparator
<b>Metrological parameters</b>	
E1 Calibration Range	1 mg ÷ 5 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]	6,1 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)	—
Electric compensation range	0 ÷ 6,1 g
Stabilization time	30 s
Adjustment	internal (automatic)
<b>Physical parameters</b>	
Display	10" touchscreen
Magazine positions	36
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
<b>Communication interface</b>	
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	100 – 240 V AC 50/60 Hz
<b>Environmental conditions</b>	
Operating temperature	+15 ÷ +30 °C
Operating temperature change rate	±0,5°C/12h (±0,3°C/4h)
Relative humidity change rate	±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)

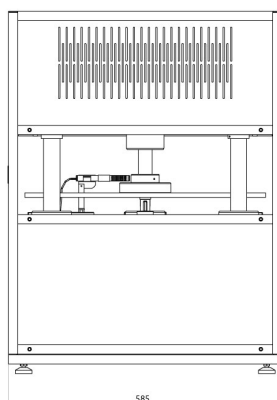
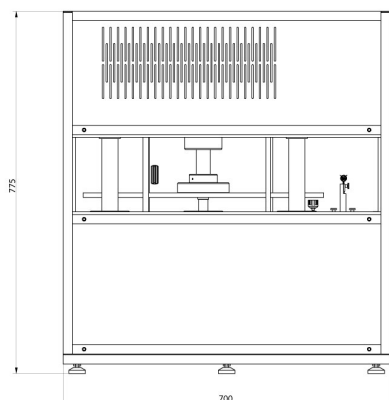
## Software

RAD-KEY  
RMCS System

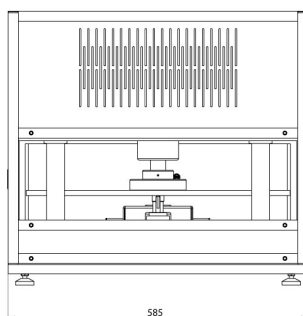
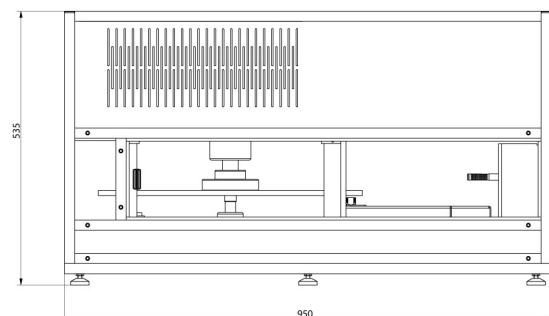
RMCS Lite

## Device dimensions

UMA 5.5Y Automatic Mass Comparator



UMA-100, UMA-1000



UMA-control unit

UMA-5