



UMA 100.5Y Automatic Mass Comparator

More information on the website
radwag.com/en/info,w1,lXE



UMA 100.5Y Automatic Mass Comparator

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

Datasheet

	UMA 100.5Y Automatic Mass Comparator
Metrological parameters	
E1 Calibration Range	1 g ÷ 100 g
E2 Calibration Range	1 g ÷ 100 g
F1 Calibration Range	1 g ÷ 100 g
F2 Calibration Range	1 g ÷ 100 g
M1 Calibration Range	1 g ÷ 100 g
M2 Calibration Range	1 g ÷ 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)	
Electric compensation range	-1 g ÷ +10 g
Stabilization time	30 s
Adjustment	external
Physical parameters	
Display	10" graphic colour touchscreen
Magazine positions	36
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
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/12h (±0,3°C/4h)
Relative humidity	40% ÷ 60%
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)

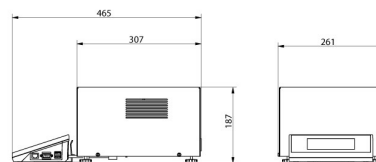
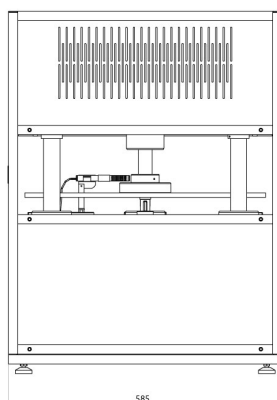
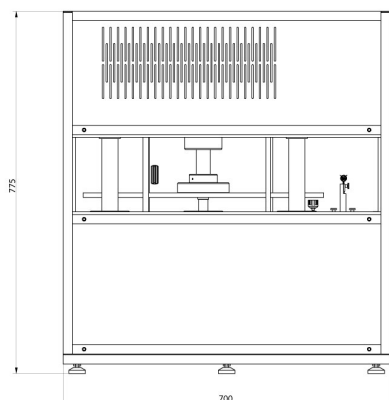
Software

RAD-KEY
RMCS System

RMCS Lite

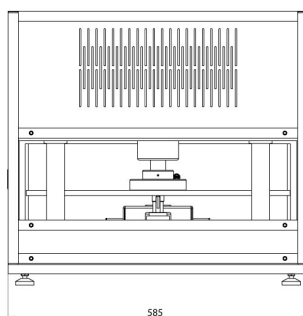
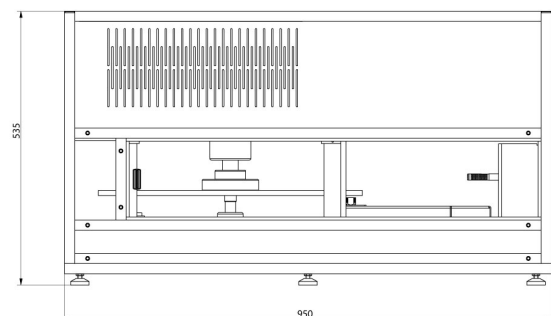
Device dimensions

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UMA-100, UMA-1000

UMA-control unit



UMA-5