



UMA 10.5Y Automatic Mass Comparator

WL-415-0008

More information on the website
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.



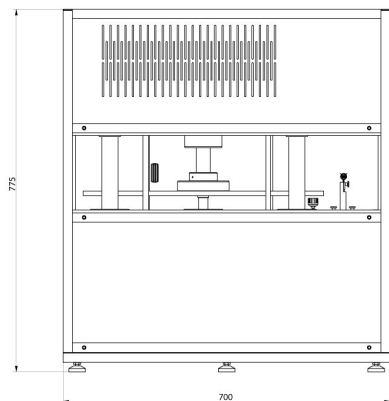
Accessories (Additional Fee)

RFID Tags	THBR 2.0 System - Ambient Conditions Monitoring
Antivibration Tables	Receipt Printer
Additional modules	Fingerprint Reader
Protective cover for balances	RS 232, RS 485 cables
Barcode scanners	RS 232 cables (scale - printer)
RS 232, RS 485 cables	

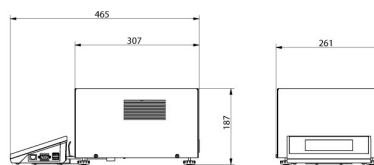
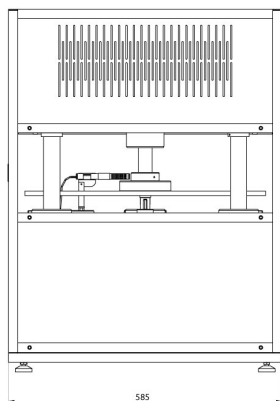
Software (Additional Fee)

- RAD Key [WX-010-0005]
- RMCS System Network Management of Calibration Process [WX-010-0048]
- RMCS Lite [WX-010-0164]

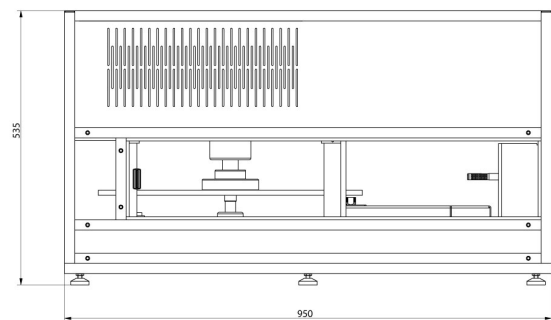
Device dimensions



UMA-100, UMA-1000



UMA-control unit



UMA-5

