



# RMC 10000.5Y Robotic Mass Comparator

WL-419-0017

More information on the website  
[mirror.radwag.com/en/info,w1,311](http://mirror.radwag.com/en/info,w1,311)



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

## Datasheet

Metrological parameters	
E0 Calibration Range	1 – 10 kg * kg
E1 Calibration Range	1 – 10 kg
E2 Calibration Range	1 – 10 kg
F1 Calibration Range	1 – 10 kg
F2 Calibration Range	1 – 10 kg
Maximum capacity [Max]	10110 g
Readability [d]	0.01 mg
Repeatability [10% Max]	0.05 mg
Standard repeatability [Max]	0.05 mg
Standard repeatability [5% Max]	0.05 mg
Permissible repeatability	0.08 mg
Linearity	±0.05 mg
Electric compensation range	-10 g – +110 g
Stabilization time	60 s
Mass standards comparison range	1, 2, 3, 5, 6, 10 kg

Metrological parameters	
Permissible A to A change in the ABBA cycle	0.2 mg
Adjustment	internal (automatic)
Physical parameters	
Emergency stop	allows comparison data to be maintained
Display	10" graphic colour touchscreen
Weighing pan dimensions	ø190 mm - self centering
Device dimensions W x D x H	2980x1400x1950 mm
Controlling device dimensions	249x170x72 mm
Construction	
Supplementary weights	internal (automatic)
Magazine	10 with tags
Communication interface	
Communication interface	2xUSB-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 / 1 h)
Relative humidity	40% – 60%
Relative humidity change rate	±5% / 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 1/5 limiting error according to OIML R111 for class E1.

\*\***Permissible repeatability** measured by standard deviation at a load of 10% Max with 10 ABBA cycles, under laboratory environmental conditions as for class E1 standards equal to 0.05 mg.

\*\*\* **Permissible repeatability** over the whole measuring range measured by standard deviation at a load of: 2 kg, 3 kg, 5 kg, 6 kg, 10 kg, also when the load is carried out with not one but a group of control standards (e.g. 10x 1 kg) at 10 ABBA cycles, under laboratory environmental conditions as for E1 class standards equal to 0.05 mg.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



## Accessories (Additional Fee)

Additional modules  
THBR 2.0 System - Ambient Conditions Monitoring

RS 232, RS 485 cables

## Software (Additional Fee)

• RMCS Lite [WX-010-0164]

# Device dimensions W x D x H

