



RBCM 5.5Y Robotic Mass Comparator

WL-419-0011

More information on the website
radwag.com/en/info,w1,LX6



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

Datasheet

Metrological parameters	
E0 Calibration Range	0.05 mg – 5 g *
E1 Calibration Range	0.05 mg – 5 g
E2 Calibration Range	0.05 mg – 5 g
F1 Calibration Range	0.05 mg – 5 g
F2 Calibration Range	0.05 mg – 5 g
Maximum capacity [Max]	6.1 g
Readability [d]	0.1 µg
Standard repeatability [5% Max]	0.25 µg
Standard repeatability [Max]	0.4 µg
Permissible repeatability	0.6 µg
Electric compensation range	0 – +6.1 g
Stabilization time	30 s
Adjustment	internal (automatic)
Physical parameters	
Display	10" graphic colour touchscreen

Physical parameters	
Weighing pan dimensions	24x50 mm
Device dimensions	1112x958x1570 mm
Controlling device dimensions	249x170x72 mm
Construction	
Supplementary weights	internal (automatic)
Magazine	120
Dimensions of the robot transport packaging	1320x925x1050 mm
Mass of robot transport package	net: 227 kg; gross: 302 kg
Dimensions of the weighing module packaging	960x610x680 mm
Packing weight of weighing module	net: 24.5 kg; gross: 87.5 kg
Dimensions of weighing table packaging	1200x800x950 mm
Packing weight of weighing table	net: 285 kg; gross: 285 kg +pallet weight
Communication interface	
Communication interface	2xUSB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	110 – 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 (2% / 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.

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



Accessories (Additional Fee)

RFID Tags
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 (Additional Fee)

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

- RMCS Lite [WX-010-0164]

Device dimensions

