



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

AVK 1000.5Y.LLS Automatic Vacuum Mass Comparator equipped with pumps and Load-Lock System

WL-417-0005



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

Datasheet

Metrological parameters	
E0 Calibration Range	100 g – 1 kg *
E1 Calibration Range	100 g – 1 kg
E2 Calibration Range	100 g – 1 kg
F1 Calibration Range	100 g – 1 kg
F2 Calibration Range	100 g – 1 kg
Maximum capacity [Max]	1002 g
Readability [d]	0.1 µg
Standard repeatability [5% Max]	0.4 µg
Standard repeatability [Max]	0.5 µg
Permissible repeatability	1 µg
Electric compensation range	-1 g – +2 g
Stabilization time	60 s
Adjustment	internal / external

Physical parameters	
Display	10" graphic colour touchscreen
Weighing pan dimensions	ø100 mm
Vacuum chamber dimensions	965×745×1150 mm
Pressure range	10 ⁽⁻⁶⁾ mbar
Object diameters	cylindrical ø (22 – 95)×110; spherical ø (40 – 100) mm
Weighing device dimensions	965×745×1700 mm
Controlling device dimensions	249×170×72 mm
Net weight (without table)	250 kg
Net weight (with table)	650 kg
Supplementary weights external	500 g, 800 g, 900 g
Magazine	6
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	±0.1 °C / 12 h
Relative humidity	45% – 60%
Relative humidity change rate	±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 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
 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)

• RMCS Lite [WX-010-0164]

• RMCS System Network Management of Calibration Process [WX-010-0048]

Device dimensions

