



More information on the website
radwag.com/en/info,w1,XQ4

XA 6/21.5Y.M Microbalance



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

Functions

-  Autotest
-  Dosing
-  Percent Weighing
-  Parts counting
-  Peak hold
-  Formulation
-  Newton unit measurement
-  Statistics
-  Checkweighing
-  IR sensors
-  GLP Procedures
-  Animal weighing
-  Pipettes Calibration
-  Air density correction
-  Density determination
-  Moveable range
-  Differential weighing
-  Ambient conditions monitoring
-  Statistical Quality Control
-  Packaged Goods Control
-  ALIBI Memory
-  Wi-Fi

Datasheet

Metrological parameters

Maximum capacity [Max]	6/21 g
Minimum load	0.1 mg

Metrological parameters	
Readability [d]	1/2 µg
Verification unit [e]	1 mg
Tare range	-21 g
Standard repeatability [5% Max]	1.3 µg
Standard repeatability [Max]	3.5 µg
Standard minimum weight (USP)	2.6 mg
Standard minimum weight (U=1%, k=2)	0.26 mg
Permissible repeatability [5% Max]	2 µg
Permissible repeatability [Max]	5 µg
Linearity	±9 µg
Eccentric load deviation	15 µg
Sensitivity time drift	1×10 ⁻⁶ /Year×Rt
Stabilization time	~3.5 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	10" touchscreen
Weighing chamber doors	manualne
Delivery components	Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover.
Weighing chamber dimensions	168×160×228 mm
Weighing pan dimensions	ø30 mm
Packaging dimensions	750×492×595 mm
Net weight	9.8 kg
Gross weight	14.3 kg
Protection class	IP 43
Relative humidity	40% – 80%
Communication interface	
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.4A max*
Environmental conditions	
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0.3°C/1h (±1°C/8h)
Relative humidity change rate	±1%/h (±4%/8h)

* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

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



Extra payment for verification



Accessories

MediaBox

- IM02.1 (MediaBox) Communication Module [WX-016-0303]

RFID Tags

- RFID Tag [WX-015-0330]

Power Adapters

- ZR-04/1 Powerbank [WX-015-0329]
- ZR-03/1 Powerbank [WX-015-0319]

Barcode scanners

- PD9330-AR Barcode Scanner [WX-006-0030]
- PM9300-D Barcode Scanner [WX-006-0033]
- LS2208 Barcode Scanner [WX-006-0005]
- PD9531 Barcode Scanner [WX-006-0046]
- DS2208 Barcode Scanner [WX-006-0036]
- PM9300 Barcode Scanner [WX-006-0031]
- PM9300-DK Barcode Scanner [WX-006-0034]

Additional modules

- RES Radwag Extended SI Module (5Y, CY10) [WX-016-0315]

Anti-Draft Chamber for Microbalances

- Anti-Draft Chamber for Microbalances [WX-001-0117]

Professional weighing table

- PSW Professional Single Weighing Workstation [WX-001-0020]
- PSW/DUAL Professional Dual Weighing Workstation [WX-001-0402]

Protective cover for balances

- Hybrid Protective Glass 5Y, CY10 [WX-001-0435]

MICRO-KIT - Set of Holders for Microscale Glassware

USB Hubs

- USB 3.0 Hub [WX-015-0286]

Label Printers

- ZD 421t Zebra Printer [WX-007-0114]

RS 232, RS 485 cables

- PT0454 Cable [WX-013-0240]
- PT0443 Cable [WX-013-0229]

THBR 2.0 System - Ambient Conditions Monitoring

- THB P Sensor [WX-016-0161]
- THB S Sensor [WX-016-0160]

Protective cover for balances

- Fabric Dust Cover for XA 5Y Balances [WX-001-0441]

Adapters for Pipettes Calibration

- XA11 - XA Adapter for Pipette Calibration (11 ml) [WX-001-0110]
- Suction pump for liquids [WX-001-0445]

Anti-Draft Chamber for XA 4Y and XA 5Y Balances

Weighing dishes

- Weighing dishes for ultra-microbalances, microbalances and analytical balances [WX-001-0429]

RS 232, RS 485 cables

- PT0455 Cable [WX-013-0239]

Receipt Printer

- RTP-UEW80 Radwag Thermal Receipt Printer (USB + Ethernet + WiFi) [WX-007-0118]
- RTP-RU80 Radwag Thermal Receipt Printer (RS232 + USB) [WX-007-0119]

Fingerprint Reader

RS 232 – USB Converter

- Moxa UPort 1110 Converter [WX-015-0278]

Under-pan weighing

- Under-Pan Weighing Hook (XA, AS, PS) [WX-015-0325]

Software

- RAD Key [WX-010-0005]
- LabVIEW "Radwag Balances & Scale" Driver [WX-010-0105]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]
- R-Barcode [WX-010-0109]

- Audit Trail Reader [WX-010-0186]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

Device dimensions

