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[radwag.com/en/info,w1,SSK](http://radwag.com/en/info,w1,SSK)

**XA 6/21.4Y.M.A PLUS Microbalance**



XA 6/21.4Y.M.A PLUS Microbalance

## Functions

- |  |   |   |   |
|--|---|---|---|
|  Autotest               |  Dosing                      |  Percent Weighing      |  Parts counting                |
|  Formulation            |  Newton unit measurement     |  Statistics            |  Checkweighing                 |
|  IR sensors             |  GLP Procedures              |  Animal weighing       |  Air density correction        |
|  Automatic sliding door |  Moveable range              |  Differential weighing |  Ambient conditions monitoring |
|  Replaceable unit       |  Statistical Quality Control |  ALIBI Memory          |  Wi-Fi                         |

# Datasheet

XA 6/21.4Y.M.A PLUS Microbalance	
<b>Metrological parameters</b>	
Maximum capacity [Max]	6 / 21 g
Minimum load	0,1 mg
Readability [d]	1 / 2 µg
Tare range	-21 g
Verification scale interval [e]	1 mg
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 <sup>-6</sup> /Year×Rt
Stabilization time	~ 3,5 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Levelling system	automatic - Reflex Level System
Display	5,7" resistive colour touchscreen
Delivery components	Microbalance, weighing pan, weighing pan shield, power supply, brush, fabric dust cover , RS232 cable.
Weighing chamber dimensions	199×170×217 mm
Weighing pan dimensions	ø30 mm
Packaging dimensions	435 x 885 x 540 mm
Net weight	14,5 kg
Gross weight	18,9 kg
<b>Communication interface</b>	
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
<b>Electrical parameters</b>	
Power supply	Adapter: 100-240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max
<b>Environmental conditions</b>	
Operating temperature	+10 ÷ +40 °C
Relative humidity	20% ÷ 80%

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

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



## Accessories

Granite Antivibration Tables  
Barcode scanners

THBR 2.0 System - Ambient Conditions Monitoring  
Protective cover for balances

Power Adapters  
Professional weighing table  
MICRO-KIT - Set of Holders for Microscale Glassware  
USB Hubs  
Label Printers  
Antivibration Tables for Laboratory Balances  
Receipt Printer

Adapter for Pipette Calibration  
Anti-Draft Chamber for XA 4Y and XA 5Y Balances  
RS 232, RS 485 cables  
RS 232 – USB Converter  
Displays  
Stent Weighing Kit  
RS 232 cables (scale - EPSON printer)

## Software

RAD-KEY  
R-Pipettes  
Label Editor R02  
R-LAB  
E2R System

Audit Trail Reader  
LabVIEW Driver  
RADWAG Remote Desktop  
RADWAG Development Studio  
R.Barcode

## Device dimensions

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