radwag.com

XA 53.4Y.M PLUS Microbalance

More information on the website
radwag.com/en/info,w1,35K



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

Functions

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

Datasheet

Metrological parameters	
Maximum capacity [Max]	53 g
Minimum load	0.1 mg
Readability [d]	1 µg
Verification unit [e]	1 mg

Metrological parameters	
Tare range	-53 g
Standard repeatability [5% Max]	1.5 µg
Standard repeatability [Max]	6 µg
Standard minimum weight (USP)	3 mg
Standard minimum weight (U=1%, k=2)	0.3 mg
Permissible repeatability [5% Max]	2.4 µg
Permissible repeatability [Max]	8 µg
Linearity	±20 µg
Eccentric load deviation	20 µg
Sensitivity time drift	1×10^{-6}/Year×Rt
Stabilization time	~ 3.5 s
Adjustment	internal (automatic)
OIML Class	I
Sensitivity temperature drift	1×10^{-6}/°C×Rt
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	5.7” resistive colour touchscreen
Weighing chamber doors	manual
Delivery components	Microbalance, weighing pan, weighing pan shield, bottom cover, power supply, brush, fabric dust cover.
Weighing chamber dimensions	168×163×228 mm
Weighing pan dimensions	ø30 mm
Packaging dimensions	750×492×595 mm
Net weight	9.8 kg
Gross weight	14.3 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.1A max
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
Relative humidity	40% ÷ 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.

Extra payment for verification

Accessories

RS 232, RS 485 cables
Label Printers
Receipt Printer
RS 232, RS 485 cables
RS 232 – USB Converter
Stent Weighing Kit
Professional Weighing Tables
RS 232 cables (scale - printer)

Software

- RAD Key [WX-010-0005]
- R-Lab [WX-010-0080]
- R-Pipettes [WX-010-0026]
- RADWAG Development Studio [WX-010-0104]

Device dimensions