XA 21/52.5Y.M.A.P Microbalance

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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	Automatic sliding door	Density determination
Differential weighing	Ambient conditions monitoring	Statistical Quality Control	Packaged Goods Control
ALIBI Memory	Wi-Fi		

Datasheet

	XA 21/52.5Y.M.A.P Microbalance
Metrological parameters	
Maximum capacity [Max]	21/52 g
Minimum load	0,1 mg
Readability [d]	1/5 µg
Verification unit [e]	1 mg
Tare range	-52 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
Physical parameters	
Leveling system	automatic - Reflex Level System
Display	10" graphic colour touchscreen
Weighing chamber doors	automatic
Delivery components	Microbalance, weighing pan, weighing pan shield, power supply, automatic pipette calibration adapter: (base, bottom ring, glass vessel, pipette calibration adapter, evaporation ring, weighing pan, glass lid, mechanical closing cover, protecting screw), brush, fabric dust cover.
Weighing chamber dimensions	199×170×217 mm
Capacity	11 ml
Weighing pan dimensions	ø26 mm
Packaging dimensions	750×492×595 mm
Net weight	14,5 kg
Gross weight	18,9 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×USB-A, 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	40% − 80%
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.

Accessories

MediaBox	Workstation for Pipettes Calibration
RFID Tags	RS 232, RS 485 cables
Antivibration Tables	Label Printers
Power Adapters	THBR 2.0 System - Ambient Conditions Monitoring
Protective cover for balances	RS 232, RS 485 cables
Additional modules	Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Anti-Draft Chamber for Microbalances	Antistatic ionizer
Automatic Variable-Volume Pipettes	Receipt Printer
Professional Weighing Tables	Fingerprint Reader
Protective cover for balances	RS 232 – USB Converter
Barcode scanners	Under-pan weighing

Software

E2R System	RAD-KEY
R-Pipettes	Label Editor R02
RADWAG Remote Desktop	R-LAB
Scales Editor 2.1	RADWAG Development Studio