

XA 82/220.5Y Analytical Balance WL-110-1001





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

Functions

@	Autotest		Dosing	%	Percent Weighing	***	Parts counting
MAX	Peak hold		Formulation	/	Newton unit measurement	<u>.al</u>	Statistics
- <u>0K</u> +	Checkweighing	4	IR sensors	8	Under-pan weighing	GLP	GLP Procedures
	Animal weighing	1	Pipettes Calibration	≋	Air density correction	ρ	Density determination
njimiji (**)	Moveable range		Differential weighing		Ambient conditions monitoring	SQC	Statistical Quality Control
е	Packaged Goods Control		ALIBI Memory		Wi-Fi		

Datasheet

Metrological parameters	meters	
Maximum capacity [Max]	82 / 220 g	
Minimum load	1 mg	

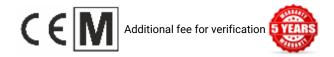
Metrological parameters	
Readability [d]	0.01 / 0.1 mg
Verification unit [e]	1 mg
Tare range	-220 g
Standard repeatability [5% Max]	0.005 mg
Standard repeatability [Max]	0.06 mg
Standard minimum weight (USP)	10 mg
Standard minimum weight (U=1%, k=2)	1 mg
Permissible repeatability [5% Max]	0.012 mg
Permissible repeatability [Max]	0.08 mg
Linearity	±0.06 / 0.2 mg
Eccentric load deviation	0.2 mg
Sensitivity time drift	1×10 ⁻⁶ /Year×Rt
Stabilization time	4 s
Adjustment	internal (automatic)
OIML Class	1
Physical parameters	
Leveling system	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	Analytical Balance, weighing pan, weighing pan shield, centring ring, bottom cover, brush, fabric dust cover, power supply.
Weighing chamber dimensions	168×160×228 mm
Weighing pan dimensions	ø90 open-work pan + ø85 (option) mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	9.8 kg
Gross weight	16 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.6A max*
Environmental conditions	
Operating temperature	+10 - +40 °C
Operating temperature change rate	±0.3 °C / 1 h (±1 °C / 8 h)
Relative humidity	20% - 80%
Relative humidity change rate	±1% / h (±4% / 8 h)

Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing.

Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

* 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.



Accessories (Additional Fee)

MediaBox RFID Tags Antivibration Tables Power Adapters RS 232, RS 485 cables Holders for laboratory flasks Density determination KIT Additional modules Holders for test tubes and filters Additional modules Professional Weighing Tables Protective cover for balances Barcode scanners Automatic feeders Label Printers
Adapters for Pipettes Calibration
THBR 2.0 System - Ambient Conditions Monitoring
RS 232, RS 485 cables
MICRO-KIT - Set of Holders for Microscale Glassware
Protective cover for balances
Under-pan weighing
Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Weighing dishes
Antistatic ionizer
Receipt Printer
Fingerprint Reader
RS 232 – USB Converter
Under-pan weighing

Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- RAD Key [WX-010-0005]
- · RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]

- E2R Weighing Records [WX-010-0038]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- · RADWAG Development Studio [WX-010-0104]

Device dimensions W x D x H

