



**XA 82/220.5Y.A Analytical Balance**

More information on the website  
[radwag.com/en/info,w1,C6M](http://radwag.com/en/info,w1,C6M)



XA 82/220.5Y.A Analytical Balance

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



Under-pan weighing



GLP Procedures



Animal weighing



Pipettes Calibration



Air density correction



Automatic sliding door



Density determination



Moveable range



Differential weighing



Ambient conditions monitoring



Statistical Quality Control



Packaged Goods Control



ALIBI Memory



Wi-Fi

# Datasheet

XA 82/220.5Y.A Analytical Balance	
<b>Metrological parameters</b>	
Maximum capacity [Max]	82 / 220 g
Minimum load	1 mg
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	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	4 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	automatic - Reflex Level System
Display	10" touchscreen
Weighing chamber	automatic
Weighing chamber doors	automatic
Delivery components	Analytical Balance, weighing pan, weighing pan shield, centring ring, brush, fabric dust cover, power supply.
Weighing chamber dimensions	200×170×220 mm
Weighing pan dimensions	ø90 open-work pan + ø85 (option) mm
Packaging dimensions	750×492×595 mm
Net weight	15,27 kg
Gross weight	19,1 kg
<b>Communication interface</b>	
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max*
<b>Environmental conditions</b>	
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  
RFID Tags  
Antivibration Tables  
Adapters for Pipettes Calibration  
Power Adapters  
Protective cover for balances  
RS 232, RS 485 cables  
Holders for laboratory flasks  
Density determination KIT  
Additional modules  
Holders for test tubes and filters  
Professional weighing table  
Protective cover for balances

Barcode scanners  
Automatic feeders  
USB Hubs  
Label Printers  
RS 232, RS 485 cables  
THBR 2.0 System - Ambient Conditions Monitoring  
Under-pan weighing  
Anti-Draft Chamber for XA 4Y and XA 5Y Balances  
Weighing dishes  
Receipt Printer  
Fingerprint Reader  
RS 232 – USB Converter  
Under-pan weighing

## Software

RAD-KEY  
Label Editor R02  
R-LAB  
RADWAG Development Studio

LabVIEW Driver  
RADWAG Remote Desktop  
Scales Editor 2.1  
R.Barcode

## Device dimensions

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