



























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

### Metrological parameters

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

<b>Metrological parameters</b>	
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 <sup>-6</sup> /Year×Rt
Stabilization time	4 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	automatic – Reflex Level System
Display	10" graphic colour 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>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2×USB-A, 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 / 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.



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 Tables  
Protective cover for balances

Barcode scanners  
Automatic feeders  
Label Printers  
THBR 2.0 System - Ambient Conditions Monitoring  
RS 232, RS 485 cables  
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

- 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

