



More information on the website
mirror.radwag.com/en/info,w1,9QF
























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
-  Peak hold
-  Formulation
-  Newton unit measurement
-  Statistics
-  Checkweighing
-  IR sensors
-  Under-pan weighing
-  GLP Procedures
-  Animal weighing
-  Pipettes Calibration
-  Air density correction
-  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

Metrological parameters	
Readability [d]	0.01 / 0.1 mg
Verification unit [e]	1 mg
Tare range	-220 g
Minimum weight (USP)	10 mg
Minimum weight (U=1%, k=2)	1 mg
Standard repeatability [5% Max]	0.005 mg
Permissible repeatability [5% Max]	0.012 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	I
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 mm open-work pan + ø85 mm (option) + ø68 mm (option) with pipette calibration adapter XA100-1 + ø36 mm (option) with pipette calibration adapter XA17-1
Packaging dimensions W x D x H	750×492×595 mm
Net weight	11.15 kg
Gross weight	15.5 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 Max; 15V DC 2.4A Balance: 12 – 15V DC 1.4A max; 9 – 17W*
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)

Standard repeatability [5% Max] and **Standard minimum weight (USP)** are parameters obtained in automatic mode under special laboratory conditions.

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.

* Power consumption depends on the terminal configuration as well as the number and type of external devices connected.

The power supply can be connected to the socket on the back of the balance housing or to the terminal.



Additional fee for verification



Accessories (Additional Fee)

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

Software (Additional Fee)

- | | |
|---|---------------------------------------|
| • E2R Weighing [WX-010-0099] | • RAD Key [WX-010-0005] |
| • Label Editor R02 [WX-010-0094] | • RADWAG Remote Desktop [WX-010-0107] |
| • R-Lab [WX-010-0080] | • Scale Editor 2.1 [WX-010-0173] |
| • RADWAG Development Studio [WX-010-0104] | |

Device dimensions W x D x H

