


























More information on the website
radwag.com/en/info,w1,2KT

XA 310.5Y.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
-  Differential weighing
-  Ambient conditions monitoring
-  Statistical Quality Control
-  Packaged Goods Control
-  ALIBI Memory
-  Wi-Fi

Datasheet

Metrological parameters

Maximum capacity [Max]	310 g
Minimum load	10 mg

Metrological parameters	
Readability [d]	0.1 mg
Verification unit [e]	1 mg
Tare range	-310 g
Standard repeatability [5% Max]	0.05 mg
Standard repeatability [Max]	0.1 mg
Standard minimum weight (USP)	100 mg
Standard minimum weight (U=1%, k=2)	10 mg
Permissible repeatability [5% Max]	0.07 mg
Permissible repeatability [Max]	0.15 mg
Linearity	±0.3 mg
Eccentric load deviation	0.3 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	1.3 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
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, brush, fabric dust cover, power supply.
Weighing chamber dimensions	200×170×220 mm
Weighing pan dimensions	ø100 mm
Packaging dimensions	750×492×595 mm
Net weight	14.7 kg
Gross weight	19.1 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 1.6A 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.



Additional fee for verification



Accessories (Additional Fee)

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

Software (Additional Fee)

- | | |
|---------------------------------------|---|
| • E2R Weighing [WX-010-0099] | • E2R Weighing Records [WX-010-0038] |
| • 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

