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# XA 310.5Y.A Analytical Balance

WL-110-0007



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

<b>Metrological parameters</b>	
Readability [d]	0.1 mg
Verification unit [e]	1 mg
Tare range	-310 g
Standard repeatability [5% Max]	0.05 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
<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, brush, fabric dust cover, power supply.
Weighing chamber dimensions	200×170×220 mm
Weighing pan dimensions	∅100 mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	14.7 kg
Gross weight	20.5 kg
<b>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2.4A Balance: 12 – 15V DC 1.6A max; 10 – 19W*
<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)

**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.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



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                     | Under-pan weighing                              |
| Protective cover for balances      | Anti-Draft Chamber for XA 4Y and XA 5Y Balances |
| RS 232, RS 485 cables              | Weighing dishes                                 |
| Holders for laboratory flasks      | Antistatic ionizer                              |
| Density determination KIT          | Receipt Printer                                 |
| Additional modules                 | Fingerprint Reader                              |
| Holders for test tubes and filters | RS 232 – USB Converter                          |
| Professional Weighing Tables       | Balance Storage Case                            |
| Barcode scanners                   |   |

## 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

