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# XA 110.5Y Analytical Balance

WL-110-0010



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
-  Differential weighing
-  Ambient conditions monitoring
-  Statistical Quality Control
-  Packaged Goods Control
-  ALIBI Memory
-  Wi-Fi

## Datasheet

### Metrological parameters

Maximum capacity [Max]	110 g
Minimum load	1 mg

<b>Metrological parameters</b>	
Readability [d]	0.01 mg
Verification unit [e]	1 mg
Tare range	-110 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 mg
Eccentric load deviation	0.06 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	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	∅90 open-work pan + ∅85 (option) mm
Packaging dimensions W x D x H	750×492×595 mm
Net weight	9.8 kg
Gross weight	16 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 1.4A max; 9 – 17W*
<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.

## Accessories (Additional Fee)

MediaBox

RFID Tags

Antivibration Tables

Power Adapters

RS 232, RS 485 cables

Density determination KIT

Additional modules

Professional Weighing Tables

Protective cover for balances

Barcode scanners

Balance Storage Case

Automatic feeders

Label Printers

Adapters for Pipettes Calibration

THBR 2.0 System - Ambient Conditions Monitoring

MICRO-KIT - Set of Holders for Microscale Glassware

Under-pan weighing

Anti-Draft Chamber for XA 4Y and XA 5Y Balances

Weighing dishes

Antistatic ionizer

Receipt Printer

Fingerprint Reader

Adapter for Pipette Calibration

RS 232 – USB Converter

## Software (Additional Fee)

• E2R Weighing [WX-010-0099]

• Label Editor R02 [WX-010-0094]

• R-Lab [WX-010-0080]

• RADWAG Development Studio [WX-010-0104]

• RAD Key [WX-010-0005]

• RADWAG Remote Desktop [WX-010-0107]

• Scale Editor 2.1 [WX-010-0173]

## Device dimensions W x D x H

