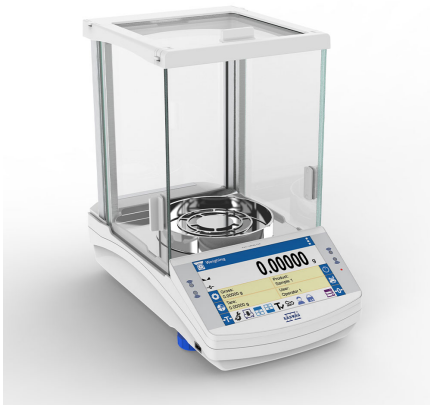




More information on the website  
[mirror.radwag.com/en/info,w1,A73](https://mirror.radwag.com/en/info,w1,A73)

## AS 120.X7 Analytical Balance



AS 120.X7 Analytical Balance

The drawings, photos and graphics used are for illustrative purposes only.

## Functions



Autotest



Dosing



Plus/Minus Control



Percent Weighing



Parts counting



Peak hold



Formulation



Newton unit  
measurement



Statistics



Checkweighing



IR sensors



Under-pan weighing



GLP Procedures



Animal weighing



Density determination



Ambient conditions  
monitoring



Replaceable unit



Statistical Quality Control



ALIBI Memory



Mass for titrator



Wi-Fi

# Datasheet

	<b>AS 120.X7 Analytical Balance</b> WL-113-0002
<b>Metrological parameters</b>	
<b>Maximum capacity [Max]</b>	120 g
<b>Minimum load</b>	1 mg
<b>Readability [d]</b>	0,01 mg
<b>Verification unit [e]</b>	1 mg
<b>Tare range</b>	-120 g
<b>Standard repeatability [5% Max]</b>	0,01 mg
<b>Standard repeatability [Max]</b>	0,025 mg
<b>Standard minimum weight (USP)</b>	20 mg
<b>Standard minimum weight (U=1%, k=2)</b>	2 mg
<b>Permissible repeatability [5% Max]</b>	0,02 mg
<b>Permissible repeatability [Max]</b>	0,04 mg
<b>Linearity</b>	±0,07 mg
<b>Stabilization time</b>	2 s
<b>Adjustment</b>	internal (automatic)
<b>OIML Class</b>	I
<b>Physical parameters</b>	
<b>Leveling system</b>	semi-automatic – LevelSENSING
<b>Display</b>	7" graphic colour touchscreen
<b>Weighing chamber doors</b>	manual
<b>Delivery components</b>	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply, fabric dust cover.
<b>Weighing chamber dimensions</b>	190×190×222 mm
<b>Weighing pan dimensions</b>	ø90 open-work pan + ø85 (option) mm
<b>Packaging dimensions</b>	545×455×575 mm
<b>Net weight</b>	7,3 kg
<b>Gross weight</b>	9,3 kg
<b>Construction</b>	
<b>Protection class</b>	IP 43
<b>Components and software</b>	
<b>Database capacity</b>	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory
<b>Features of use</b>	
<b>Touch-free operation</b>	2 IR Sensors
<b>Communication interface</b>	
<b>Communication interface</b>	2×RS232 <sup>1</sup> , 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet
<b>Electrical parameters</b>	
<b>Power supply</b>	Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,8A max
<b>Power consumption max.</b>	4 W
<b>Environmental conditions</b>	
<b>Operating temperature</b>	+10 – +40 °C
<b>Ambient conditions monitoring (option)</b>	THBR 2.0 System, THBR BOX, THB P, THB W, THB S
<b>Relative humidity</b>	40% – 80%

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. 1 Barcode scanners, available as weighing instrument accessory,

communicate with the instrument via RS232 interface exclusively.

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



Additional fee for verification



## Accessories (Additional Fee)

Antivibration Tables  
Power Adapters  
Cigarette lighter receptacle power supply cables  
Density determination KIT  
USB cable (scale - printer)  
Professional Weighing Tables  
Barcode scanners  
Workstation for Pipettes Calibration  
RS 232, RS 485 cables  
THBR 2.0 System - Ambient Conditions Monitoring

Displays  
Protective cover for balances  
Weighing dishes  
Antistatic ionizer  
Receipt Printer  
RS 232, RS 485 cables  
Additional modules  
Under-pan weighing  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter

## Software (Additional Fee)

RAD-KEY  
R-LAB  
RADWAG Development Studio

Alibi Reader  
Scales Editor 2.1

## Device dimensions

AS 120.X7 Analytical Balance

