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# AS 3100.X7 Analytical Balance

WL-113-0006



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           |  Drying modes                  |
|  Samples drying   |  Moisture content analysis   |  Dry mass determination |  Mass for titrator             |
|  Wi-Fi            |   |  |   |

## Datasheet

<b>Metrological parameters</b>	
Maximum capacity [Max]	3100 g
Minimum load	- mg
Readability [d]	1 mg
Verification unit [e]	-
Tare range	-3,1 kg
Minimum weight (USP)	1 g
Minimum weight (U=1%, k=2)	100 mg
Standard repeatability [Max]	0,6 mg
Standard repeatability [5% Max]	0,5 mg
Permissible repeatability [Max]	1 mg
Permissible repeatability [5% Max]	0,8 mg
Linearity	±4 mg
Stabilization time	2 s
Adjustment	internal (automatic)
OIML Class	-
<b>Physical parameters</b>	
Leveling system	semi-automatic – LevelSENSING
Display	7" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply.
Weighing chamber dimensions	190×190×222 mm
Weighing pan dimensions	ø90 mm (open-work pan)
Packaging dimensions W x D x H	490×400×520 mm
Net weight	9,7 kg
Gross weight	11 kg
<b>Construction</b>	
Protection class	IP 43
<b>Components and software</b>	
Database capacity	Products, Users, Packaging, Customers, Formulations, Formulations reports, Ambient Conditions, Weighings, Alibi memory
<b>Features of use</b>	
Touch-free operation	2 IR Sensors
<b>Communication interface</b>	
Communication interface	2×RS232 <sup>1</sup> , 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1,2A Balance: 12 – 15V DC 0,9A max; 4 – 8W*
Power consumption max.	4 W
<b>Environmental conditions</b>	
Operating temperature	+10 – +40 °C
Ambient conditions monitoring (option)	THBR 2.0 System, THBR BOX, THB P, THB W, THB S

## Environmental conditions

Relative humidity 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.

<sup>1</sup> 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.



## Accessories (Additional Fee)

Antivibration tables  
Holders for laboratory flasks  
Power Adapters  
Cigarette lighter receptacle power supply cables  
Density determination KIT  
USB cable (scale - printer)  
Professional Weighing Tables  
Barcode scanners  
Holders for test tubes and filters  
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  
Additional modules  
Under-pan weighing  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter

## Software (Additional Fee)

- RAD Key [WX-010-0005]
- Scale Editor - EWAG 2.1 [WX-010-0173]

- Alibi Reader PC Software [WX-010-0114]
- RADWAG Development Studio [WX-010-0104]

## Device dimensions W x D x H

