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radwag.com/en/info,w1,BRX

# AS 3100.X7 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             |  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

### Metrological parameters

Maximum capacity [Max]	3.1 kg
Minimum load	-

<b>Metrological parameters</b>	
Readability [d]	1 mg
Verification unit [e]	-
Tare range	-3.1 kg
Standard repeatability [5% Max]	0.5 mg
Standard repeatability [Max]	0.6 mg
Standard minimum weight (USP)	1 g
Standard minimum weight (U=1%, k=2)	100 mg
Permissible repeatability [5% Max]	0.8 mg
Permissible repeatability [Max]	1 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	490×400×520 mm
Net weight	7.3 kg
Gross weight	9.3 kg
<b>Construction</b>	
Protection class	IP 43
<b>Components and software</b>	
Database capacity	7
<b>Features of use</b>	
Touch-free operation	2 IR Sensors
<b>Communication interface</b>	
Communication interface	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; 12V DC 1.2A Balance: 12 – 15V DC 0.8A max
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
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

Antivibration Tables  
Holders for laboratory flasks  
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  
RS 232, RS 485 cables  
Additional modules  
Under-pan weighing  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter

## Software

- RAD Key [WX-010-0005]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

- Alibi Reader [WX-010-0114]
- Scale Editor 2.1 [WX-010-0173]

## Device dimensions

