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[radwag.com/en/info,w1,B6V](http://radwag.com/en/info,w1,B6V)

# AS 3100.X2 PLUS 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
-  GLP Procedures
-  Animal weighing
-  Density determination
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  ALIBI Memory
-  Mass for titrator
-  Wi-Fi

## Datasheet

Metrological parameters	
Maximum capacity [Max]	3100 g
Minimum load	-
Readability [d]	1 mg
Verification unit [e]	-

<b>Metrological parameters</b>	
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	5" graphic color 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	545×455×575 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.



## Accessories

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  
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

AS X2 PLUS, d = 0.01 mg



AS X2 PLUS, d = 0.1 mg

