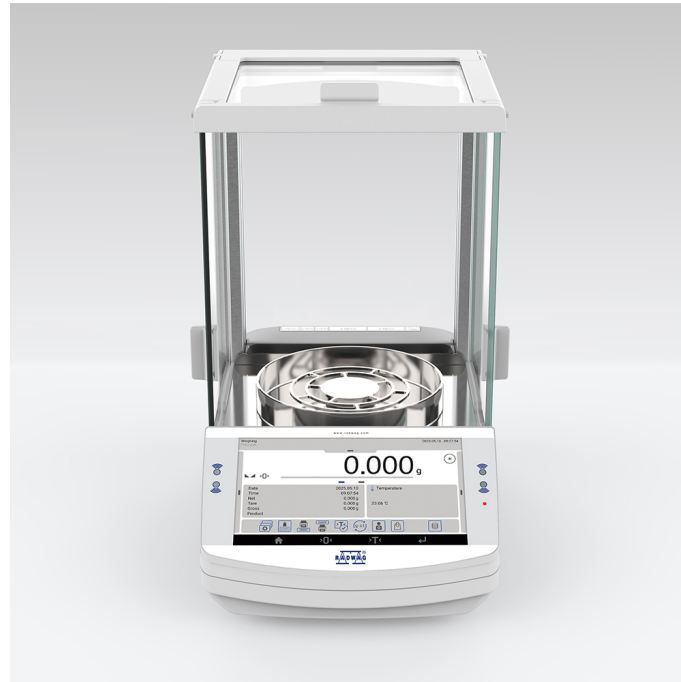




More information on the website  
[radwag.com/en/info,w1,BRX](http://radwag.com/en/info,w1,BRX)

# 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<br>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.

\* Power consumption depends on the terminal configuration as well as the number and type of external devices connected.

<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]
- 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 W x D x H

