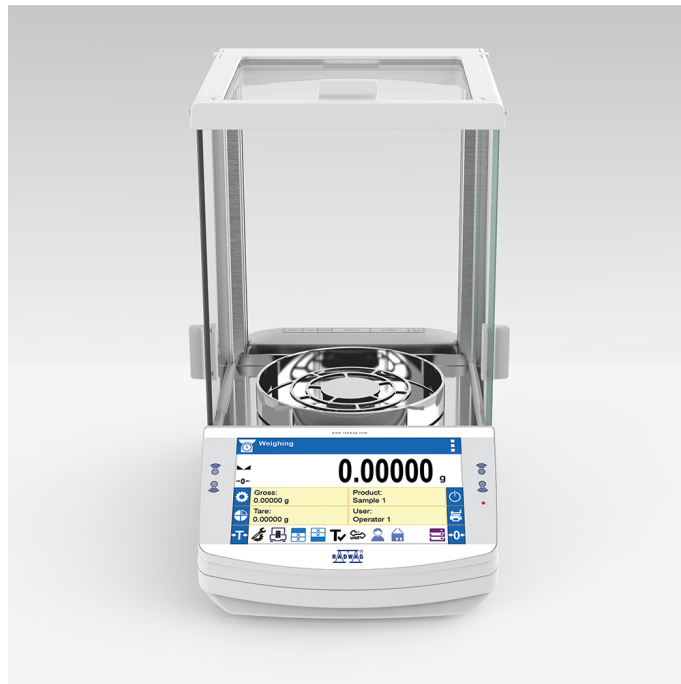




More information on the website  
[mirror.radwag.com/us/info,w1,BRX](http://mirror.radwag.com/us/info,w1,BRX)


























# 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

|                        |        |
|------------------------|--------|
| Maximum capacity [Max] | 3100 g |
|------------------------|--------|

|  |  |
|--|--|
|  |  |
| Minimum load                           | - mg   |
| 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 W x D x H         | 490×400×520 mm   |
| Net weight                             | 7,3 kg   |
| Gross weight                           | 11 kg  |
| <b>Construction</b>                    |  |
| Protection class                       | IP 43  |
|  |  |
| 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   |
|  |  |
| Communication interface                | 2×RS232 <sup>1</sup> , 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet   |
|  |  |
| Power supply                           | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A<br>Balance: 12 – 15V DC 0,8A max                                      |
| Power consumption max.                 | 4 W  |
|  |  |
| 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 (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

