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

# AS 220.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
-  Mass for titrator
-  Wi-Fi

## Datasheet

| Metrological parameters |        |
|-------------------------|--------|
| Maximum capacity [Max]  | 220 g  |
| Minimum load            | 10     |
| Readability [d]         | 0.1 mg |
| Verification unit [e]   | 1      |

| <b>Metrological parameters</b>         |   |
|--|---|
| Tare range                             | -220 g  |
| Standard repeatability [5% Max]        | 0.06 mg   |
| Standard repeatability [Max]           | 0.07 mg   |
| Standard minimum weight (USP)          | 120 mg  |
| Standard minimum weight (U=1%, k=2)    | 12 mg   |
| Permissible repeatability [5% Max]     | 0.09 mg   |
| Permissible repeatability [Max]        | 0.1 mg  |
| Linearity                              | ±0.2 mg   |
| Stabilization time                     | 2 s   |
| Adjustment                             | internal (automatic)  |
| OIML Class                             | I   |
| <b>Physical parameters</b>             |   |
| Leveling system                        | półautomatyczny - LevelSENSING  |
| Display                                | 7" graphic colour touchscreen   |
| Weighing chamber doors                 | manual  |
| Delivery components                    | Balance, weighing pan, weighing pan shield, bottom cover, power supply.           |
| Weighing chamber dimensions            | 190×190×222 mm  |
| Weighing pan dimensions                | ø100 mm   |
| Packaging dimensions                   | 490×400×520 mm  |
| Net weight                             | 7.06 kg   |
| Gross weight                           | 9.5 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<br>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.



Extra payment for verification



## 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

