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# AS 82/220.5Y Analytical Balance

WL-104-0527



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
- Pipettes Calibration
- Air density correction
- Density determination
- Differential weighing
- Ambient conditions monitoring
- Statistical Quality Control
- Packaged Goods Control
- ALIBI Memory
- Wi-Fi

## Datasheet

### Metrological parameters

Maximum capacity [Max]	82 / 220 g
Minimum load	1 mg

<b>Metrological parameters</b>	
Readability [d]	0.01 / 0.1 mg
Verification unit [e]	1 mg
Tare range	-220 g
Minimum weight (USP)	20 mg
Minimum weight (U=1%, k=2)	2 mg
Standard repeatability [Max]	0.06 mg
Standard repeatability [5% Max]	0.01 mg
Permissible repeatability [Max]	0.1 mg
Permissible repeatability [5% Max]	0.02 mg
Linearity	±0.05 / 0.2 mg
Stabilization time	2 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	Balance, weighing pan, weighing pan shield, centring ring, bottom cover, power supply, fabric dust cover.
Weighing chamber dimensions	190×190×227 mm
Weighing pan dimensions	ø90 open-work pan + ø85 (option) mm
Packaging dimensions W x D x H	545×455×575 mm
Net weight	7.14 kg
Gross weight	13 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	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2.4A Balance: 12 – 15V DC 1.4A max; 9 – 17W*
<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 USB interface exclusively.  
\* Power consumption depends on the terminal configuration and the number and type of external devices connected.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Additional fee for verification



## Accessories (Additional Fee)

Antivibration Tables  
Holders for laboratory flasks  
Power Adapters  
RS 232, RS 485 cables  
Cigarette lighter receptacle power supply cables  
Density determination KIT  
Additional modules  
Protective cover for balances  
USB cable (scale - printer)  
Professional Weighing Tables  
Barcode scanners

Holders for test tubes and filters  
Workstation for Pipettes Calibration  
THBR 2.0 System - Ambient Conditions Monitoring  
Weighing dishes  
Antistatic ionizer  
Receipt Printer  
Fingerprint Reader  
Under-pan weighing  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter

## Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]

# Device dimensions W x D x H

