

AS 82/220.X7 Analytical Balance





The drawings, photos and graphics used are for illustrative purposes only.

Functions

Q	Autotest		Dosing	- <u>0K</u> +	Plus/Minus Control	%	Percent Weighing
•••	Parts counting	MAX	Peak hold		Formulation	/	Newton unit measurement
<u>.al</u>	Statistics	- <u>0K</u> +	Checkweighing	4	IR sensors	\$	Under-pan weighing
GLP	GLP Procedures	4	Animal weighing	ρ	Density determination		Ambient conditions monitoring
Ð	Replaceable unit	SQC	Statistical Quality Control		ALIBI Memory	Ш	Mass for titrator

Datasheet

Wi-Fi

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

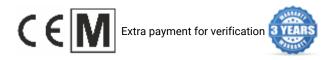
Metrological parameters					
Readability [d]	0.01 / 0.1 mg				
Verification unit [e]	1 mg				
Tare range	-220 g				
Standard repeatability [5% Max]	0.01 mg				
Standard repeatability [Max]	0.06 mg				
Standard minimum weight (USP)	20 mg				
Standard minimum weight (U=1%, k=2)	2 mg				
Permissible repeatability [5% Max]	0.02 mg				
Permissible repeatability [Max]	0.1 mg				
Linearity	±0.05 / 0.2 mg				
Stabilization time	2 s				
Adjustment	internal (automatic)				
OIML Class	T.				
Physical parameters					
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, fabric dust cover.				
Weighing chamber dimensions	190×190×222 mm				
Weighing pan dimensions	ø90 open-work pan + ø85 (option) mm				
Packaging dimensions	545×455×575 mm				
Net weight	7.14 kg				
Gross weight	10.5 kg				
Construction					
Protection class	IP 43				
Components and software					
Database capacity	7				
Features of use					
Touch-free operation	2 IR Sensors				
Communication interface					
Communication interface	RS232¹, 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet				
Electrical parameters					
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				
Environmental conditions					
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.

¹ 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

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

