

AS 3100.X7 Analytical Balance WL-113-0006





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

Functions

(N.	Autotest		Dosing	- <u>0K</u> +	Plus/Minus Control	%	Percent Weighing
		Parts counting	MAX	Peak hold		Formulation	7	Newton unit measurement
4	1	Statistics	- <u>0K</u> +	Checkweighing	4	IR sensors	\$	Under-pan weighing
G	LP	GLP Procedures	4	Animal weighing	ρ	Density determination		Ambient conditions monitoring
4	3	Replaceable unit	SQC	Statistical Quality Control		ALIBI Memory	tH	Drying modes
2)) <u>)</u>	Samples drying	♦	Moisture content analysis	- ☆ - %D	Dry mass determination	#	Mass for titrator

Datasheet

Metrological parameters	
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	-
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
Weighing chamber dimensions	cover, power supply. 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	9.3 kg
Construction	
Protection class	IP 43
0	
Components and software	Products, Users, Packaging, Customers, Formulations, Formulations
Database capacity	reports, Ambient Conditions, Weighings, Alibi memory
Features of use	
Touch-free operation	2 IR Sensors
Communication interface	
Communication interface	2×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
Power consumption max.	Balance: 12 – 15V DC 0.8A max 4 W
Environmental conditions	
	110 140 0
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.

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 (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

