AS 520.5Y 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	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]	520 g
Minimum load	-

Metrological parameters	
Readability [d]	0.1 mg
Verification unit [e]	-
Tare range	-520 g
Standard repeatability [5% Max]	0.07 mg
Standard repeatability [Max]	0.2 mg
Standard minimum weight (USP)	140 mg
Standard minimum weight (U=1%, k=2)	14 mg
Permissible repeatability [5% Max]	0.12 mg
Permissible repeatability [Max]	0.4 mg
Linearity	±0.6 mg
Stabilization time	2.5 s
Adjustment	internal (automatic)
OIML Class	-

Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	Balance, weighing pan, weighing pan shield, bottom cover, power supply.
Weighing chamber dimensions	190×190×227 mm
Weighing pan dimensions	ø100 mm
Packaging dimensions	600×400×550 mm
Net weight	7.3 kg
Gross weight	9.3 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	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot

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
RS 232, RS 485 cables
Cigarette lighter receptacle power supply cables
Density determination KIT
Additional modules
USB cable (scale - printer)
Professional Weighing Tables
Protective cover for balances
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
RS 232, RS 485 cables
Protective cover for balances
Under-pan weighing
RS 232 cables (scale - printer)
RS 232 − RS 485 Converter

Software

• E2R Weighing [WX-010-0099]
• RAD Key [WX-010-0005]
• RADWAG Remote Desktop [WX-010-0107]
• Scale Editor 2.1 [WX-010-0173]

• E2R Weighing Records [WX-010-0038]
• Label Editor R02 [WX-010-0094]
• R-Lab [WX-010-0080]
• RADWAG Development Studio [WX-010-0104]

Device dimensions