

























More information on the website
radwag.com/en/info,w1,DU8

XA 220.5Y 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
-  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]	220 g
Minimum load	10 mg

Metrological parameters	
Readability [d]	0.1 mg
Verification unit [e]	1 mg
Tare range	-220 g
Standard repeatability [5% Max]	0.05 mg
Standard repeatability [Max]	0.08 mg
Standard minimum weight (USP)	100 mg
Standard minimum weight (U=1%, k=2)	10 mg
Permissible repeatability [5% Max]	0.07 mg
Permissible repeatability [Max]	0.1 mg
Linearity	±0.2 mg
Eccentric load deviation	0.2 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Stabilization time	1.3 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	Analytical Balance, weighing pan, weighing pan shield, bottom cover, brush, fabric dust cover, power supply.
Weighing chamber dimensions	168×160×228 mm
Weighing pan dimensions	∅100 mm
Packaging dimensions	750×492×595 mm
Net weight	9.8 kg
Gross weight	14.3 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.6A max*
Environmental conditions	
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0.3 °C / 1 h (±1 °C / 8 h)
Relative humidity	20% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)

Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing.

Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

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

Accessories

MediaBox

RFID Tags

Antivibration Tables

Power Adapters

RS 232, RS 485 cables

Holders for laboratory flasks

Density determination KIT

Additional modules

Holders for test tubes and filters

Professional Weighing Tables

Protective cover for balances

Barcode scanners

Automatic feeders

Label Printers

THBR 2.0 System - Ambient Conditions Monitoring

RS 232, RS 485 cables

Protective cover for balances

Under-pan weighing

Anti-Draft Chamber for XA 4Y and XA 5Y Balances

Weighing dishes

Antistatic ionizer

Receipt Printer

Fingerprint Reader

RS 232 – USB Converter

Under-pan weighing

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

