



More information on the website
radwag.com/en/info,w1,6WD

XA 52.5Y.F Analytical Balance, XA 110.5Y.F Analytical Balance



XA 52.5Y.F Analytical Balance
 XA 110.5Y.F Analytical Balance

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

Functions



Autotest



Dosing



Percent Weighing



Parts counting



Formulation



Newton unit
 measurement



Statistics



Checkweighing



IR sensors



GLP Procedures



Animal weighing



Pipettes Calibration



Air density correction



Differential weighing



Ambient conditions
 monitoring



Replaceable unit



Statistical Quality Control



ALIBI Memory



Wi-Fi

Datasheet

	XA 52.5Y.F Analytical Balance	XA 110.5Y.F Analytical Balance
Metrological parameters		
Maximum capacity [Max]	52 g	110 g
Minimum load	1 mg	1 mg
Readability [d]	0,01 mg	0,01 mg
Verification scale interval [e]	1 mg	1 mg
Tare range	-52 mg	-110 mg
Standard repeatability [5% Max]	0,007 mg	0,007 mg
Standard repeatability [Max]	0,01 mg	0,02 mg
Standard minimum weight (USP)	14 mg	14 mg
Standard minimum weight (U=1%, k=2)	1,4 mg	1,4 mg
Permissible repeatability [5% Max]	0,01 mg	0,01 mg
Permissible repeatability [Max]	0,02 mg	0,03 mg
Linearity	±0,03 mg	±0,06 mg
Eccentric load deviation	0,03 mg	0,06 mg
Sensitivity offset	$2 \times 10^{-6} \times Rt$	$2 \times 10^{-6} \times Rt$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times Rt$	$1 \times 10^{-6} / \text{Year} \times Rt$
Stabilization time	5 s (30 s for filters)	5 s (30 s for filters)
Adjustment	internal (automatic)	internal (automatic)
OIML Class	I	I
Physical parameters		
Leveling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" touchscreen	10" touchscreen
Protection class	IP 43	IP 43
Delivery components	Analytical Balance, weighing pan, weighing pan for filters, weighing pan shield, centring ring, bottom cover, brush, fabric dust cover, power supply.	Analytical Balance, weighing pan, weighing pan for filters, weighing pan shield, centring ring, bottom cover, brush, fabric dust cover, power supply.
Weighing pan dimensions	210×254 mm for filters + ø90 mm open-work pan + ø85 mm standard pan (option)	210×254 mm for filters + ø90 mm open-work pan + ø85 mm standard pan (option)
Packaging dimensions	510×865×680 mm	510×865×680 mm
Net weight	12,7 kg	12,7 kg
Gross weight	25 kg	25 kg
Communication interface		
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters		
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max
Environmental conditions		
Operating temperature	+10 ÷ +50 °C	+10 ÷ +50 °C

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.

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



Accessories

Barcode scanners
Density determination KIT
Professional weighing table
Protective cover for balances
RS 232, RS 485 cables
USB Hubs
Label Printers
THBR 2.0 System - Ambient Conditions Monitoring

Antivibration Tables
Under-Pan Weighing Rack
Receipt Printer
Fingerprint Reader
RS 232 – USB Converter
Displays
Under-pan weighing

Software

RAD-KEY
Label Editor R02
R-LAB
RADWAG Development Studio
R.Barcode

LabVIEW Driver
RADWAG Remote Desktop
Scales Editor 2.1
E2R System

Device dimensions

XA 110.5Y.F Analytical Balance

