






















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

XA 52.5Y.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
-  Under-pan weighing
-  GLP Procedures
-  Animal weighing
-  Air density correction
-  Differential weighing
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  ALIBI Memory
-  Wi-Fi

Datasheet

Metrological parameters	
Maximum capacity [Max]	52 g
Minimum load	1 mg
Readability [d]	0.01 mg
Verification unit [e]	1 mg

Metrological parameters	
Tare range	-52 mg
Standard repeatability [5% Max]	0.007 mg
Standard repeatability [Max]	0.01 mg
Standard minimum weight (USP)	14 mg
Standard minimum weight (U=1%, k=2)	1.4 mg
Permissible repeatability [5% Max]	0.01 mg
Permissible repeatability [Max]	0.02 mg
Linearity	±0.03 mg
Eccentric load deviation	0.03 mg
Sensitivity offset	$2 \times 10^{-6} \times R_t$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	5 s (30 s for filters)
Adjustment	internal (automatic)
OIML Class	I
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$
Physical parameters	
Leveling system	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	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)
Packaging dimensions	865×510×690 mm
Net weight	12.7 kg
Gross weight	23.5 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 1.1A max
Environmental conditions	
Operating temperature	+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.



Extra payment for verification



Accessories

MediaBox
RFID Tags
Antivibration Tables
Power Adapters
RS 232, RS 485 cables
Density determination KIT
Additional modules
Professional Weighing Tables
Protective cover for balances
Barcode scanners

Label Printers
THBR 2.0 System - Ambient Conditions Monitoring
RS 232, RS 485 cables
Protective cover for balances
Under-pan weighing
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

