



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



GLP Procedures



Animal weighing



Pipettes Calibration



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" touchscreen
Protection class	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.
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	25 kg
Communication interface	
Communication interface	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
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.



Accessories

Barcode scanners

THBR 2.0 System - Ambient Conditions Monitoring

Density determination KIT
Professional weighing table
Protective cover for balances
RS 232, RS 485 cables
Power Adapters
USB Hubs
Label Printers

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

Software

RAD-KEY
LabVIEW Driver
RADWAG Remote Desktop
Scales Editor 2.1
E2R System

Audit Trail Reader
Label Editor R02
R-LAB
RADWAG Development Studio
R.Barcode