

























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

XA 310.5Y 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]	310 g
Minimum load	10 mg

Metrological parameters	
Readability [d]	0,1 mg
Verification scale interval [e]	1 mg
Tare range	-310 g
Standard repeatability [5% Max]	0,05 mg
Standard repeatability [Max]	0,1 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]	0,15 mg
Linearity	±0,3 mg
Eccentric load deviation	0,3 mg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	1,3 s
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	10" touchscreen
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	435 x 885 x 540 mm
Net weight	9,8 kg
Gross weight	14,3 kg
Communication interface	
Communication interface	USB-A x2, 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/1h (±1°C/8h)
Relative humidity	20% – 80%
Relative humidity change rate	±1%/h (±4%/8h)

* 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

Barcode scanners
 Density determination KIT
 Professional weighing table
 Holders for test tubes and filters
 USB Hubs
 Label Printers
 Holders for laboratory flasks

THBR 2.0 System - Ambient Conditions Monitoring
 Under-Pan Weighing Rack
 Anti-Draft Chamber for XA 4Y and XA 5Y Balances
 Weighing dishes
 Fingerprint Reader
 RS 232 – USB Converter
 RS 232, RS 485 cables

Software

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

LabVIEW Driver
 RADWAG Remote Desktop
 Scales Editor 2.1
 R.Barcode

Device dimensions

