



More information on the website
radwag.com/en/info,w1,X8U

AS 310.X2 PLUS Analytical Balance



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

Functions

- Autotest
- Dosing
- Plus/Minus Control
- Percent Weighing
- Parts counting
- Peak hold
- Formulation
- Newton unit measurement
- Statistics
- Checkweighing
- IR sensors
- GLP Procedures
- Animal weighing
- Density determination
- Ambient conditions monitoring
- Replaceable unit
- Statistical Quality Control
- ALIBI Memory
- Mass for titrator
- Wi-Fi

Datasheet

| Metrological parameters | |
|-------------------------|--------|
| Maximum capacity [Max] | 310 g |
| Minimum load | 10 mg |
| Readability [d] | 0.1 mg |
| Verification unit [e] | 1 mg |

| Metrological parameters | |
|--|---|
| Tare range | -310 g |
| Standard repeatability [5% Max] | 0.07 mg |
| Standard repeatability [Max] | 0.1 mg |
| Standard minimum weight (USP) | 140 mg |
| Standard minimum weight (U=1%, k=2) | 14 mg |
| Permissible repeatability [5% Max] | 0.12 mg |
| Permissible repeatability [Max] | 0.15 mg |
| Linearity | ±0.3 mg |
| Stabilization time | 2.5 s |
| Adjustment | internal (automatic) |
| OIML Class | I |
| Physical parameters | |
| Leveling system | semi-automatic – LevelSENSING |
| Display | 5" graphic color touchscreen |
| Weighing chamber doors | manual |
| Delivery components | Balance, weighing pan, weighing pan shield, bottom cover, power supply. |
| Weighing chamber dimensions | 190×190×226 mm |
| Weighing pan dimensions | ø100 mm |
| Packaging dimensions | 490×400×520 mm |
| Net weight | 7.32 kg |
| Gross weight | 9 kg |
| Construction | |
| Protection class | IP 43 |
| Components and software | |
| Database capacity | 7 |
| Features of use | |
| Touch-free operation | 2 IR Sensors |
| Communication interface | |
| Communication interface | RS232, 2×USB-A (interchangeable), USB-B, Wi-Fi, Ethernet |
| Electrical parameters | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 – 15V DC 0.8A max |
| Power consumption max. | 4 W |
| Environmental conditions | |
| Operating temperature | +10 – +40 °C |
| Ambient conditions monitoring (option) | THBR 2.0 System, THBR BOX, THB P, THB W, THB S |
| Relative humidity | 40% – 80% |

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.

¹ Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.



Extra payment for verification



Accessories

Antivibration Tables
Holders for laboratory flasks
Power Adapters
Cigarette lighter receptacle power supply cables
Density determination KIT
USB cable (scale - printer)
Professional Weighing Tables
Barcode scanners
Holders for test tubes and filters
Workstation for Pipettes Calibration
RS 232, RS 485 cables

THBR 2.0 System - Ambient Conditions Monitoring
Displays
Protective cover for balances
Weighing dishes
Antistatic ionizer
Receipt Printer
RS 232, RS 485 cables
Additional modules
Under-pan weighing
RS 232 cables (scale - printer)
RS 232 – RS 485 Converter

Software

- RAD Key [WX-010-0005]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

- Alibi Reader [WX-010-0114]
- Scale Editor 2.1 [WX-010-0173]

Device dimensions

AS X2 PLUS, d = 0.01 mg



AS X2 PLUS, d = 0.1 mg

