



PS 8100.5Y.M Precision Balance

WL-220-0417

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



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] | 8100 g |
| Minimum load | 500 mg |

| Metrological parameters | |
|--|---|
| Readability [d] | 10 mg |
| Verification unit [e] | 100 mg |
| Tare range | -8100 g |
| Minimum weight (USP) | 10 g |
| Minimum weight (U=1%, k=2) | 1 g |
| Standard repeatability [Max] | 10 mg |
| Standard repeatability [5% Max] | 5 mg |
| Linearity | ±20 mg |
| Stabilization time | 1.5 s |
| Adjustment | internal (automatic) |
| OIML Class | II |
| Sensitivity temperature drift | $2 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$ |
| Physical parameters | |
| Leveling system | semi-automatic – LevelSENSING |
| Display | 10" graphic colour touchscreen |
| Delivery components | Balance, weighing pan, weighing pan shield, fabric dust cover, power supply |
| Weighing pan dimensions | 195×195 mm |
| Device dimensions W x D x H | 333×206×107 mm |
| Packaging dimensions W x D x H | 720×370×274 mm |
| Net weight | 7.2 kg |
| Gross weight | 9.3 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 | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot |
| Electrical parameters | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2.4A Balance: 12 – 15V DC 1.4A max; 9 – 17W* |
| 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 USB interface exclusively.

* Power consumption depends on the terminal configuration and the number and type of external devices connected.



Additional fee for verification



Accessories (Additional Fee)

Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables
Additional modules
USB cable (scale - printer)
Professional Weighing Tables
Protective cover for balances
Barcode scanners

RS 232, RS 485 cables
THBR 2.0 System - Ambient Conditions Monitoring
Density determination KIT
Receipt Printer
Fingerprint Reader
Under-pan weighing
RS 232 cables (scale - printer)
RS 232 – RS 485 Converter

Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- Label Editor R02 [WX-010-0094]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]

- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- Scale Editor 2.1 [WX-010-0173]

Device dimensions W x D x H

