

PS 1000.R2 Precision Balance

WL-212-0022





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

Functions



Datasheet

Density determination

| Metrological parameters | |
|---------------------------------|---------|
| Maximum capacity [Max] | 1000 g |
| Minimum load | 20 mg |
| Readability [d] | 1 mg |
| Verification unit [e] | 10 mg |
| Tare range | -1000 g |
| Standard repeatability [5% Max] | 0.5 mg |

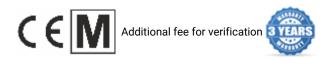
| Metrological parameters | |
|-------------------------------------|---|
| Standard repeatability [Max] | 1.5 mg |
| Standard minimum weight (USP) | 1 g |
| Standard minimum weight (U=1%, k=2) | 0.1 g |
| Linearity | ±3 mg |
| Stabilization time | 2 s |
| Adjustment | internal (automatic) |
| OIML Class | II |
| Sensitivity temperature drift | 2×10 ⁻⁶ /°C×Rt |
| Physical parameters | |
| Leveling system | manual |
| Display | 5.3" LCD (backlit) |
| Delivery components | Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply. |
| Weighing pan dimensions | 128×128 mm |
| Packaging dimensions W x D x H | 475×380×345 mm |
| Net weight | 3.92 kg |
| Gross weight | 6 kg |
| Construction | |
| Protection class | IP 43 |
| Communication interface | |
| Communication interface | 2×RS232¹, USB-A, USB-B, Wi-Fi (option) |
| Electrical parameters | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 – 15V DC 0.4A max |
| Power consumption | 4 W |
| Environmental conditions | |
| Operating temperature | +10 - +40 °C |
| 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.

Metrological parameters



Accessories (Additional Fee)

Balance Storage Case
Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables
USB cable (scale - printer)
Density determination KIT
Barcode scanners
Anti-Draft Chamber for Balances with a 128×128 mm Weighing Pan

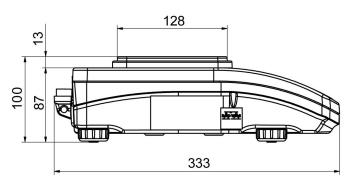
RS 232, RS 485 cables Displays Draft Shield Receipt Printer Protective cover for balances Under-pan weighing RS 232 cables (scale - printer)

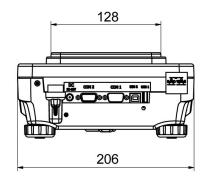
^{*} Wi-Fi® is a registered trademark of Wi-Fi® Alliance.

Software (Additional Fee)

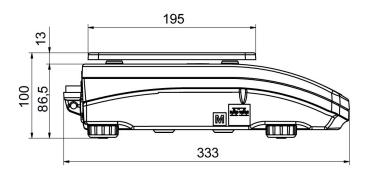
- RAD Key [WX-010-0005]
- Alibi Reader [WX-010-0114]
- RADWAG Development Studio [WX-010-0104]
- R-Panel [WX-010-0187]
- R-Lab [WX-010-0080]

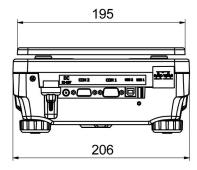
Device dimensions W x D x H



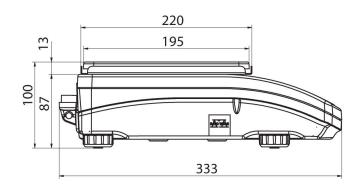


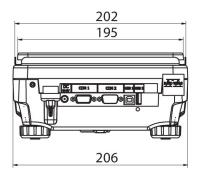






PS R, d = 10 mg





PS R.M, d = 10 mg