

PS.R2.H PRECISION BALANCES



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- Parts counting
- Checkweighing
- Percent setup
- Filling
- Summing function
- Statistics
- Density determination
- Animal weighing
- Caps lock of max indication

PS R2.H series balances redefine the level of standard precision balances. Not only do they share all the features of R series balances, but can also work in adverse operating conditions (condensed dust, drops of water falling down at different angles typical for IP 54). These balances are equipped with innovative LCD display allowing for clear and legible presentation of a measurement result. Moreover, it offers new text line which supplies the user with some additional messages and information, e.g. product name or tare value.

PS.R.H balances are offered with round pans of two possible sizes: $\varnothing 115\text{mm}$ and $\varnothing 170\text{mm}$. Balances with pans of a smaller size feature draft shield as well.

Additional asset of **PS R2.H balances** are their interfaces build-in a hermetic closed housing which is separated from the balance. The interfaces include 2×RS 232, USB type A, USB type B, and Wireless Module optionally. Balance housing is made of plastic, whereas its pan of stainless steel.

DATABASES IN R SERIES BALANCES

The information system is based on 5 databases, which allows for several users to work with several products databases, and the registered weighing results can be subject to further analysis.

The data is registered in 5 databases:

- users (up to 10 users),
- products (up to 1000 products),
- weighments (up to 5000 weighments),
- tares (up to 100 tares),
- ALIBI memory (up to 100 000 weighments).

There is two directions data exchange within the system thanks to a quick USB interface. New balances allow to import and export databases using USB pen drives.

Quick access to information

Direct access to functions and databases is possible from the level of keyboard.

Database – a direct access to databasis

Function - a direct access to the basic functions

F1 to F4 – programmable function and navigation keys on the menu

ALIBI memory

The used ALIBI memory is a data secure area and allows to record up to 100 000 weighing records. It ensures security of constant data register in the long time period.

Technical data:

| | PS 200/2000.R2.H | PS 210.R2.H | PS 360.R2.H | PS 600.R2.H | PS 750.R2.H | PS 1000.R2.H |
|-------------------------|--|--------------|--------------|--------------|--------------|--------------|
| Max capacity | 200 / 2000 g | 210 g | 360 g | 600 g | 750 g | 1000 g |
| Minimum load | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg |
| Readability | 1 / 10 mg | 1 mg | 1 mg | 1 mg | 1 mg | 1 mg |
| Tare range | -2000 g | -210 g | -360 g | -600 g | -750 g | -1000 g |
| Repeatability * | 1 / 10 mg | 1 mg | 1 mg | 1 mg | 1,5 mg | 1,5 mg |
| Linearity | ±2 / ±20 mg | ±2 mg | ±2 mg | ±3 mg | ±3 mg | ±3 mg |
| Pan size | Ø 115 mm | | | | | |
| Working temperature | +10 ÷ +40 °C | | | | | |
| Stabilization time | 2 s / 1,5 s | 2 s | | | | |
| Sensitivity drift | 2 ppm/°C in temperature +10 ÷ +40 °C | | | | | |
| Interface | 2 × RS 232, USB-A, USB-B, Wireless Module - option | | | | | |
| Power supply** | 12 ÷ 16 V DC / 250 mA | | | | | |
| Adjustment/calibration | internal (automatic) | | | | | |
| Display | LCD (backlit) | | | | | |
| Net weight/Gross weight | 4,5 / 6,5 kg | 4,2 / 6,2 kg | 4,2 / 6,2 kg | 4,3 / 6,3 kg | 4,3 / 6,3 kg | 4,5 / 6,5 kg |
| Packaging size | 470×380×336 mm | | | | | |

* Repeatability is expressed as a standard deviation from 10 weighing cycles.

** 250 mA for balances without Wireless Module, 350 mA for balances with installed Wireless Module

Technical data:

| | PS 1200.R2.H | PS 2100.R2.H | PS 3500.R2.H | PS 4500.R2.H | PS 6000.R2.H |
|-------------------------|--|--------------|--------------|--------------|--------------|
| Max capacity | 1200 g | 2100 g | 3500 g | 4500 g | 6000 g |
| Minimum load | 500 mg | 500 mg | 500 mg | 500 mg | 500 mg |
| Readability | 10 mg | 10 mg | 10 mg | 10 mg | 10 mg |
| Tare range | -1200 g | -2100 g | -3500 g | -4500 g | -6000 g |
| Repeatability * | 10 mg | 10 mg | 10 mg | 10 mg | 15 mg |
| Linearity | ±20 mg | ±20 mg | ±20 mg | ±20 mg | ±30 mg |
| Pan size | Ø 170 mm | | | | |
| Working temperature | +10 ÷ +40 °C | | | | |
| Stabilization time | 1,5 s | | | | |
| Sensitivity drift | 2 ppm/°C in temperature +10 ÷ +40 °C | | | | |
| Interface | 2 × RS 232, USB-A, USB-B, Wireless Module - option | | | | |
| Power supply** | 12 ÷ 16 V DC / 250 mA | | | | |
| Adjustment/calibration | internal (automatic) | | | | |
| Display | LCD (backlit) | | | | |
| Net weight/Gross weight | 4,3 / 5,8 kg | 4,8 / 6,3 kg | 4,8 / 6,3 kg | 4,8 / 6,3 kg | 4,8 / 6,3 kg |
| Packaging size | 470×380×336 mm | | | | |

* Repeatability is expressed as a standard deviation from 10 weighing cycles.

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Accessories:

| | |
|---|--|
| Antivibration table for laboratory balances | Bar code scanner USB HID |
| SAL/STONE granite laboratory bench | Power loop output AP2-1 (plastic housing) |
| Kafka thermal printer | Additional LCD display "WD-6" |
| Impact printer Epson | Power adapter with battery and charger ZR-02 |
| Label printer Citizen | Mass standard |
| Printer USB PCL | USB A- USB B cable (balance - computer, balance - PLC printer) |
| Density determination kit | Cable RS 232 (scale - Kafka printer) "P0136" |
| Rack for under hook weighing | Cable RS 232 (scale - computer) "P0108" |
| "Tare" or "Print" foot button | Cable RS 232 (scale, Epson, Citizen printer) "P0151" |
| PC keyboard USB | "PW-WIN" computer software |
| External USB memory (FAT files format) | "RAD-KEY" computer software |
| Bar code scanner | |