

# PS R1 Precision Balances

'Standard level' measurement for most laboratory and industrial processes



PS R1, d = 1 mg



PS R1, d = 10 mg



Large LCD display with text information section



PS R1, d = 10 mg, Max > 6000 g



Radwag MonoBLOCK™, an innovative weighing system

## Functions

 Parts counting	 Percent weighing	 Autotest	 Peak hold	 Alibi memory
 Dosing	 Statistics	 Density determination	 GLP procedures	 Replaceable unit
 Checkweighing	 Animal weighing	 Under hook weighing	 Ambient conditions measurement	 Multilingual menu

## Features

### Ease of Use and Measurements Accuracy

Combination of weighing accuracy and robust design enables applying PS R1 balances in most of the laboratory and industrial solutions.

### Perfect Readability and Clear Information Layout

Large, easy-to-read LCD display offers not only a clear presentation of the weighing result, but also enables displaying messages related to the drying process as well as pictograms of active functions and working modes.

### Quick Access to Selected Functions

Quick access keys located on the operation panel enable you to run a given function with just one click. You can assign some of the keys with a function of your choice.

### RADWAG MonoBLOCK™, an Innovative Weighing System

The most advanced weighing system technology allowing measurement with the readability of  $d=0.01$  g at 10 kg maximum capacity. The mechanism guarantees stable repeatability over the whole product life cycle, it also ensures high resistance to ambient conditions change.

### Data Management

PS R1 information system is based on operators, products, weighings and tares databases. All saved data can be analysed, exported, imported or exchanged between weighing instruments.

### ALIBI Memory

Internal ALIBI memory guarantees safety and automatic record of measurements copies, it also offers possibility to preview, copy and archive data.

## Technical Specifications

	PS 200/2000.R1	PS 600.R1	PS 750.R1	PS 1000.R1
Maximum capacity [Max]	200 g / 2000 g	600 g	750 g	1000 g
Minimum load	—	—	—	—
Readability [d]	0.001 g / 0.01 g	0.001 g	0.001 g	0.001 g
Verification scale interval [e]	—	—	—	—
Tare range	–2000 g	–600 g	–750 g	–1000 g
Repeatability (5% Max)*	0.0005 / 0.005 g	0.0005 g	0.0005 g	0.0005 g
Repeatability (Max)	0.001 / 0.01 g	0.001 g	0.0015 g	0.0015 g
Linearity	±0.002 g / ±0.02 g	±0.002 g	±0.003 g	±0.003 g
Sensitivity temperature drift**	$2 \times 10^{-6} / ^\circ\text{C} \times R_t$	$2 \times 10^{-6} / ^\circ\text{C} \times R_t$	$2 \times 10^{-6} / ^\circ\text{C} \times R_t$	$2 \times 10^{-6} / ^\circ\text{C} \times R_t$
Minimum weight (U=1%, k=2)	—	—	—	—
Minimum weight (USP)	—	—	—	—
Stabilization time	2 s / 1.5 s	2 s	2 s	2 s
Adjustment	external	external	external	external
Verification	—	—	—	—
OIML Class	—	—	—	—
Display	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
Keypad	14 keys	14 keys	14 keys	14 keys
Protection class	IP 43	IP 43	IP 43	IP 43
Databases	5	5	5	5
USB-A	1	1	1	1
USB-B	1	1	1	1
RS 232	2	2	2	2
Wireless connection (option)***	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
Power supply	12 ÷ 16 V DC	12 ÷ 16 V DC	12 ÷ 16 V DC	12 ÷ 16 V DC
Power consumption	4 W	4 W	4 W	4 W
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Atmospheric humidity****	40 ÷ 80%	40 ÷ 80%	40 ÷ 80%	40 ÷ 80%
Transport and storage temperature	–20 ÷ +50 °C	–20 ÷ +50 °C	–20 ÷ +50 °C	–20 ÷ +50 °C
Weighing pan dimensions	128 × 128 mm	128 × 128 mm	128 × 128 mm	128 × 128 mm
Weighing device dimensions	333 × 206 × 100 mm	333 × 206 × 100 mm	333 × 206 × 100 mm	333 × 206 × 100 mm
Net weight	3.2 kg	3.2 kg	3.2 kg	3.2 kg
Gross weight	4.8 kg	4.8 kg	4.8 kg	4.8 kg
Packaging dimensions	470 × 380 × 340 mm	470 × 380 × 340 mm	470 × 380 × 340 mm	470 × 380 × 340 mm

Rt net weight

\* repeatability is expressed as a standard deviation from 10 weighing cycles

\*\* parameter determined in the following temperature range: +15 ÷ +35 °C

\*\*\* optional solution on purchase order

\*\*\*\* non-condensing conditions

In accordance with type approval, the balance parameters are maintained in temperature range: +15 ÷ +35 °C.