radwag.com

PS 8100.RX.M Precision Balance

WL-228-0012

More information on the website
radwag.com/en/info,w1,XI4



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

Functions

- Autotest
- Dosing
- Percent Weighing
- Totalizing
- Parts counting
- Peak hold
- Newton unit measurement
- Statistics
- Checkweighing
- Under-pan weighing
- GLP Procedures
- Animal weighing
- Density determination

Datasheet

Metrological parameters	
Maximum capacity [Max]	8100 g
Maximum capacity [Max]	8100 g
Minimum load	500 mg
Minimum load	500 mg
Readability [d]	10 mg
Readability [d]	10 mg

Metrological parameters	
Verification unit [e]	100 mg
Verification unit [e]	100 mg
Tare range	-8100 g
Tare range	-8100 g
Minimum weight (USP)	10 g
Minimum weight (USP)	10 g
Minimum weight (U=1%, k=2)	1 g
Minimum weight (U=1%, k=2)	1 g
Standard repeatability [Max]	10 mg
Standard repeatability [Max]	10 mg
Standard repeatability [5% Max]	5 mg
Standard repeatability [5% Max]	5 mg
Permissible repeatability [Max]	6.5 µg
Permissible repeatability [5% Max]	2.5 µg
Linearity	±20 mg
Linearity	±20 mg
Eccentric load deviation	8 µg
Sensitivity offset	$4\times10^{-6}\times Rt$
Sensitivity time drift	$1\times10^{-6}/Year\times Rt$
Stabilization time	1.5 s
Stabilization time	1.5 s
Adjustment	internal (automatic)
Adjustment	internal (automatic)
Sensitivity temperature drift	$2\times10^{-6}/°C\times Rt$
Sensitivity temperature drift	$2\times10^{-6}/°C\times Rt$

Physical parameters	
Leveling system	manual
Leveling system	manual
Display	5" colour touchscreen
Weighing chamber doors	automatic
Delivery components	Balance, weighing pan, weighing pan shield, power supply
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Weighing chamber dimensions	ø 90×90 mm
Weighing pan dimensions	195×195 mm
Weighing pan dimensions	195×195 mm
Device dimensions W x D x H	333x206x107 mm
Packaging dimensions W x D x H	475×380×345 mm
Packaging dimensions W x D x H	475×380×345 mm
Net weight	3.8 kg
Net weight	3.8 kg
Gross weight	5.5 kg
Gross weight	5.5 kg

Construction	
Protection class	IP 43
Protection class	IP 43
Communication interface	
Communication interface	2×RS232[1], USB-A, USB-B, Wi-Fi (option)
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Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A Max; 12V DC 1.2A Balance: 12 – 15V DC 0.7A max; 3 – 5.5W*
Power consumption	4 W
Environmental conditions	
Operating temperature	+10 – +40 °C
Operating temperature	+10 – +40 °C
Storage temperature	-20 – +50 °C
Operating temperature change rate	±0.3 °C / 1 h (±1 °C / 8 h)
Relative humidity	40% – 80%
Relative humidity	40% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)

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.

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Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.
* Power consumption depends on the terminal configuration as well as the number and type of external devices connected.
[1] Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

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



Accessories (Additional Fee)

Balance Storage Case
Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables
Automatic Variable-Volume Pipettes
USB cable (scale - printer)
Barcode scanners
RS 232, RS 485 cables
Label Printers
Displays
Density determination KIT
Protective cover for balances
Receipt Printer
RS 232 – USB Converter
Under-pan weighing
Professional Weighing Tables
RS 232 cables (scale - printer)

Software (Additional Fee)

• RAD Key [WX-010-0005]
• R-Panel [WX-010-0187]
• R-Lab [WX-010-0080]
• R-Pipettes [WX-010-0026]
• Alibi Reader [WX-010-0114]
• RADWAG Development Studio [WX-010-0104]