PS 6100.R2.M Precision Balance

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]	6100 g
Minimum load	0,5 g
Readability [d]	0,01 g
Tare range	-6100 g
Verification scale interval [e]	0,1 g
Minimum weight (USP)	10 g

Metrological parameters	
Minimum weight (U=1%,k=2)	1 g
Repeatability (Max)	0,008 g
Repeatability (5% Max)	0,005 g
Linearity	±0,03 g
Stabilization time	1,5 s
Adjustment	internal (automatic)
OIML Class	II
Sensitivity temperature drift	$2 \times 10^{-6}/°C \times Rt$
Protection class	IP 43
Physical parameters	
Levelling system	manual
Display	LCD (backlit)
Weighing pan dimensions	195×195 mm
Device dimensions	333x206x107 mm
Packaging dimensions	470×380×340 mm
Net weight	4,5 kg
Gross weight	6,1 kg
Communication interface	
Communication interface	2×RS232, USB-A, USB-B, Wi-Fi (option)
Electrical parameters	
Power supply	100 ÷ 240 V AC 50 / 60 Hz
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
Storage temperature	-20 ÷ +50 °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.

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

Accessories

Balance Storage Case	Density determination kit
Receipt Printer	Protective cover for balances
Barcode scanners	AP2-1 Current Loop Unit
Cigarette lighter receptacle power supply cables	RPANEL BOX
Power Adapters	RS 232, RS 485 cables
USB cable (scale - printer)	Under-Pan Weighing Rack
Displays	RS 232 cables (scale - EPSON printer)

Software

RAD-KEY	LabVIEW Driver

R Panel
Alibi Reader
RADWAG Development Studio
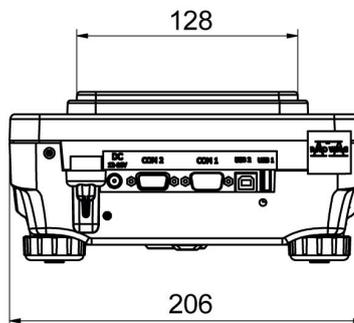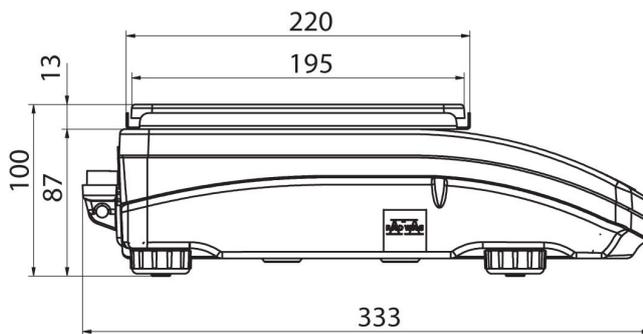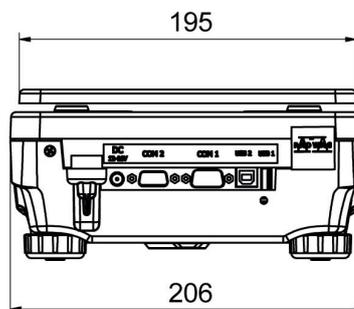R.Barcode

RADWAG Connect
R-LAB
E2R System

Device dimensions
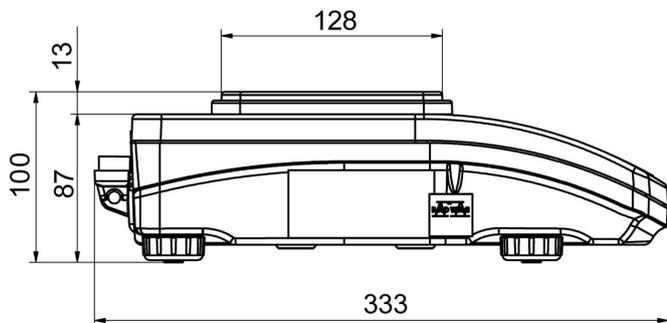
PS R, d = 1mg

PS R, d = 10 mg

PS R.M, d = 10 mg