PS 3000.X2 Precision Balance
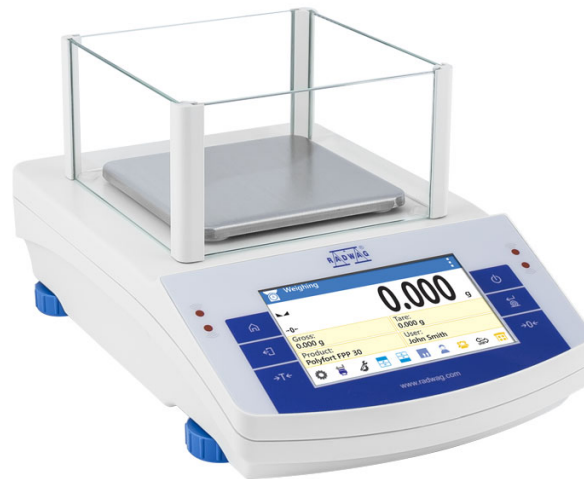
The drawings, photos and graphics used are for illustrative purposes only.

Functions

Autotest	Dosing	Percent Weighing	Parts counting
Peak hold	Formulation	Newton unit measurement	Statistics
Checkweighing	IR sensors	Under-pan weighing	GLP Procedures
Animal weighing	Density determination	Ambient conditions monitoring	Replaceable unit
Statistical Quality Control	ALIBI Memory	Mass for titrator	Wi-Fi

Datasheet

Metrological parameters	
Maximum capacity [Max]	3000 g
Minimum load	-
Readability [d]	1 mg
Verification unit [e]	-

Metrological parameters

Tare range	-3000 g
Standard repeatability [5% Max]	0.6 mg
Standard repeatability [Max]	1.5 mg
Standard minimum weight (USP)	1.2 g
Standard minimum weight (U=1%, k=2)	0.12 g
Linearity	±6 mg
Stabilization time	3 s
Adjustment	internal (automatic)
OIML Class	-
Sensitivity temperature drift	$2×10^{-6}/°C×Rt$

Physical parameters

Leveling system	manual
Display	5" graphic color touchscreen
Delivery components	Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply.
Weighing pan dimensions	128×128 mm
Packaging dimensions	475×380×345 mm
Net weight	4.33 kg
Gross weight	5.5 kg

Construction

Protection class	IP 43

Components and software

Database capacity	7

Features of use

Touch-free operation	2 IR Sensors

Communication interface

Communication interface	2×RS232[1], USB-A, USB-B, Ethernet, Wi-Fi

Electrical parameters

Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 – 15V DC 0.8A max
Power consumption	4 W

Environmental conditions

Operating temperature	+10 ÷ +40 °C
Ambient conditions monitoring (option)	THBR 2.0 System, THBR BOX, THB P, THB W, THB S
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.

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

Accessories

Balance Storage Case
Antivibration Tables
Power Adapters
Cigarette lighter receptacle power supply cables
USB cable (scale - printer)
Barcode scanners
Anti-Draft Chamber for Balances with a 128×128 mm Weighing Pan
RS 232, RS 485 cables
THBR 2.0 System - Ambient Conditions Monitoring
Displays

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

Software

• RAD Key [WX-010-0005]
• R-Lab [WX-010-0080]
• RADWAG Development Studio [WX-010-0104]

• Alibi Reader [WX-010-0114]
• Scale Editor 2.1 [WX-010-0173]

Device dimensions