



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

PS 3500.5Y.M 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
-  GLP Procedures
-  Animal weighing
-  Pipettes Calibration
-  Air density correction
-  Density determination
-  Differential weighing
-  Ambient conditions monitoring
-  Statistical Quality Control
-  Packaged Goods Control
-  ALIBI Memory
-  Wi-Fi

Datasheet

Metrological parameters

Maximum capacity [Max]	3500 g
Minimum load	-

Metrological parameters	
Readability [d]	10 mg
Verification unit [e]	-
Tare range	-3500 g
Standard repeatability [5% Max]	5 mg
Standard repeatability [Max]	8 mg
Standard minimum weight (USP)	10 g
Standard minimum weight (U=1%, k=2)	1 g
Linearity	±20 mg
Stabilization time	1.5 s
Adjustment	internal (automatic)
OIML Class	-
Sensitivity temperature drift	$2 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$
Relative humidity	40% ÷ 80%
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	10" touchscreen
Delivery components	Waga, weighing pan, weighing pan shield, power supply
Weighing pan dimensions	195×195 mm
Packaging dimensions	465×370×290 mm
Net weight	4.5 kg
Gross weight	5.5 kg
Construction	
Protection class	IP 43
Features of use	
Database capacity	7
Touch-free operation	2 IR Sensors
Communication interface	
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 0.6A; 12V DC 1.2A Waga: 12 – 15V DC 0.8A max
Power consumption	4 W
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
Ambient conditions monitoring	THBR 2.0 System, THBR BOX, THB P, THB W, THB S

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

- Transport Case for PS, WLC (A1 and A2) Balances [WX-002-0049]

Antivibration Tables

- SAL/STONE/H Stainless Steel Antivibration Table [WX-001-0079]
- SAL/STONE/C Antivibration Table [WX-001-0078]

Power Adapters

- ZR-04/1 Powerbank [WX-015-0329]
- ZR-03/1 Powerbank [WX-015-0319]

Cigarette lighter receptacle power supply cables

- K0047 Car lighter 12V cable [WX-013-0034]

Additional modules

- RES Radwag Extended SI Module (5Y, CY10) [WX-016-0315]
- 21 CFR Part 11 Compliance Module (4Y, 5Y, CY10) [WX-001-0133]

USB cable (scale - printer)

- PT0238 USB Cable Type A-B [WX-013-0056]

Professional Weighing Tables

- PSW Professional Single Weighing Workstation [WX-001-0020]

Protective cover for balances

- Hybrid Protective Glass 5Y, CY10 [WX-001-0435]

Barcode scanners

- LS2208 Barcode Scanner [WX-006-0005]
- PM9501-433RBK20 Barcode Scanner [WX-006-0051]
- PD9531-K1 Barcode Scanner [WX-006-0046]
- DS2208 Barcode Scanner [WX-006-0036]
- PM9501-433RBK10 Barcode Scanner [WX-006-0045]
- PD9531-K2 Barcode Scanner [WX-006-0050]

RS 232, RS 485 cables

- Cable to the ZR-03/1 and ZR-04/1 Powerbank [WX-013-0244]

USB Hubs

- USB 3.0 Hub [WX-015-0286]

THBR 2.0 System - Ambient Conditions Monitoring

- THBR Box Ambient Conditions Recorder [WX-016-0163]
- THB W Sensor [WX-016-0162]

Density determination KIT

- KIT 195.M Density Determination Kit [WX-002-0115]

Receipt Printer

- RTP-UEW80 Radwag Thermal Receipt Printer (USB + Ethernet + WiFi) [WX-007-0118]
- RTP-RU80 Radwag Thermal Receipt Printer (RS232 + USB) [WX-007-0119]

Fingerprint Reader

RS 232, RS 485 cables

- P0108 Cable [WX-013-0003]
- PT0443 Cable [WX-013-0229]
- P0108.5 Cable [WX-013-0161]

Protective cover for balances

- Fabric Dust Cover for PS,WLC Balances [WX-002-0108]

Under-pan weighing

- Under-pan Weighing Rack for AS and PS Balances [WX-002-0111]
- Under-Pan Weighing Hook (XA, AS, PS) [WX-015-0325]

RS 232 cables (scale - printer)

- P0151 Cable [WX-013-0002]

RS 232 – RS 485 Converter

- KR-01 Converter [WX-004-0021]

Software

- RAD Key [WX-010-0005]
- THB-R [WX-010-0122]
- RADWAG Remote Desktop [WX-010-0107]
- R-Lab [WX-010-0080]
- RADWAG Development Studio [WX-010-0104]
- R-Barcode [WX-010-0109]

- LabVIEW "Radwag Balances & Scale" Driver [WX-010-0105]
- Label Editor R02 [WX-010-0094]
- Alibi Reader [WX-010-0114]
- Scale Editor 2.1 [WX-010-0173]
- E2R Weighing Records [WX-010-0038]

Device dimensions

