



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

PS 2100.X2.M Precision Balance, PS 3500.X2.M Precision Balance, PS 200/2000.X2 Precision Balance, PS 210.X2 Precision Balance, PS 10100.X2.M Precision Balance, PS 600.X2 Precision Balance, PS 360.X2 Precision Balance, PS 4500.X2.M Precision Balance, PS 6100.X2.M Precision Balance, PS 1000.X2 Precision Balance, PS 3000.X2 Precision Balance, PS 750.X2 Precision Balance, PS 8100.X2.M Precision Balance



PS 2100.X2.M Precision Balance
PS 3500.X2.M Precision Balance
PS 10100.X2.M Precision Balance
PS 4500.X2.M Precision Balance
PS 6100.X2.M Precision Balance
PS 8100.X2.M Precision Balance



PS 200/2000.X2 Precision Balance
PS 210.X2 Precision Balance
PS 600.X2 Precision Balance
PS 360.X2 Precision Balance
PS 1000.X2 Precision Balance
PS 750.X2 Precision Balance



PS 3000.X2 Precision Balance

Functions



Autotest



Dosing



Percent Weighing



Parts counting



Peak hold



Formulation



Newton unit
measurement



Statistics



Checkweighing



IR sensors



GLP Procedures



Animal weighing



Density determination



Ambient conditions
monitoring



Replaceable unit



ALIBI Memory



Mass for titrator



Wi-Fi

Datasheet

| | PS 200/2000.X2 Precision Balance | PS 210.X2 Precision Balance | PS 360.X2 Precision Balance |
|--|--|--|--|
| Metrological parameters | | | |
| Maximum capacity [Max] | 200 / 2000 g | 210 g | 360 g |
| Minimum load | 0,02 g | 0,02 g | 0,02 g |
| Readability [d] | 0,001 / 0,01 g | 0,001 g | 0,001 g |
| Tare range | -2000 g | -210 g | -360 g |
| Verification scale interval [e] | 0,01/0,1 g | 0,01 g | 0,01 g |
| Minimum weight (USP) | 1 g | 1 g | 1 g |
| Minimum weight (U=1%,k=2) | 0,1 g | 0,1 g | 0,1 g |
| Repeatability (Max) | 0,001 / 0,01 g | 0,001 g | 0,001 g |
| Repeatability (5% Max) | 0,0005 / 0,005 g | 0,0005 g | 0,0005 g |
| Linearity | ±0,002 / 0,02 g | ±0,002 g | ±0,002 g |
| Stabilization time | 2 / 1,5 s | 2 s | 2 s |
| Adjustment | internal (automatic) | internal (automatic) | internal (automatic) |
| OIML Class | II | II | II |
| Physical parameters | | | |
| Levelling system | semi-automatic - LevelSENSING | semi-automatic - LevelSENSING | semi-automatic - LevelSENSING |
| Display | 5" capacitive colour touchscreen | 5" capacitive colour touchscreen | 5" capacitive colour touchscreen |
| Weighing pan dimensions | 128×128 mm | 128×128 mm | 128×128 mm |
| Device dimensions | — | — | — |
| Packaging dimensions | 470×380×336 mm | 470×380×336 mm | 470×380×336 mm |
| Net weight | 3,9 kg | 3,7 kg | 3,7 kg |
| Gross weight | 5,5 kg | 5,3 kg | 5,3 kg |
| Features of use | | | |
| Database capacity | 7 | 7 | 7 |
| Touch-free operation | 2 IR Sensors | 2 IR Sensors | 2 IR Sensors |
| Communication interface | | | |
| Communication interface | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi |
| Electrical parameters | | | |
| Power supply | 100 ÷ 240 V AC 50 / 60 Hz | 100 ÷ 240 V AC 50 / 60 Hz | 100 ÷ 240 V AC 50 / 60 Hz |
| Power consumption max. | 4 W | 4 W | 4 W |
| Environmental conditions | | | |
| Operating temperature | +10 ÷ +40 °C | +10 ÷ +40 °C | +10 ÷ +40 °C |
| Storage temperature | — | — | — |
| Relative humidity | — | — | — |

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.

Datasheet

| | PS 600.X2 Precision Balance | PS 750.X2 Precision Balance | PS 1000.X2 Precision Balance |
|---------------------------------|--|--|--|
| Metrological parameters | | | |
| Maximum capacity [Max] | 600 g | 750 g | 1000 g |
| Minimum load | 0,02 g | 0,02 g | 0,02 g |
| Readability [d] | 0,001 g | 0,001 g | 0,001 g |
| Tare range | -600 g | -750 g | -1 kg |
| Verification scale interval [e] | 0,01 g | 0,01 g | 0,01 g |
| Minimum weight (USP) | 1 g | 1 g | 1 g |
| Minimum weight (U=1%,k=2) | 0,1 g | 0,1 g | 0,1 g |
| Repeatability (Max) | 0,0015 g | 0,0015 g | 0,0015 g |
| Repeatability (5% Max) | 0,0005 g | 0,0005 g | 0,0005 g |
| Linearity | ±0,003 g | ±0,003 g | ±0,003 g |
| Stabilization time | 2 s | 2 s | 2 s |
| Adjustment | internal (automatic) | internal (automatic) | internal (automatic) |
| OIML Class | II | II | II |
| Physical parameters | | | |
| Levelling system | semi-automatic - LevelSENSING | semi-automatic - LevelSENSING | semi-automatic - LevelSENSING |
| Display | 5" capacitive colour touchscreen | 5" capacitive colour touchscreen | 5" capacitive colour touchscreen |
| Weighing pan dimensions | 128×128 mm | 128×128 mm | 128×128 mm |
| Device dimensions | — | — | — |
| Packaging dimensions | 470×380×336 mm | 470×380×336 mm | 470×380×336 mm |
| Net weight | 3,9 kg | 3,9 kg | 3,9 kg |
| Gross weight | 5,5 kg | 5,5 kg | 5,5 kg |
| Features of use | | | |
| Database capacity | 7 | 7 | 7 |
| Touch-free operation | 2 IR Sensors | 2 IR Sensors | 2 IR Sensors |
| Communication interface | | | |
| Communication interface | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi |
| Electrical parameters | | | |
| Power supply | 100 ÷ 240 V AC 50 / 60 Hz | 100 ÷ 240 V AC 50 / 60 Hz | 100 ÷ 240 V AC 50 / 60 Hz |
| Power consumption max. | 4 W | 4 W | 4 W |
| Environmental conditions | | | |
| Operating temperature | +10 ÷ +40 °C | +10 ÷ +40 °C | +10 ÷ +40 °C |
| Storage temperature | — | — | — |
| Relative humidity | — | — | — |

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.

Datasheet

| | PS 2100.X2.M Precision Balance | PS 3000.X2 Precision Balance | PS 3500.X2.M Precision Balance |
|--|--|--|--|
| Metrological parameters | | | |
| Maximum capacity [Max] | 2100 g | 3000 g | 3500 g |
| Minimum load | 0,5 g | 0,02 g | 0,5 g |
| Readability [d] | 0,01 g | 0,001 g | 0,01 g |
| Tare range | -2100 g | -3000 g | -3500 g |
| Verification scale interval [e] | 0,1 g | | 0,1 g |
| Minimum weight (USP) | 10 g | 1 g | 10 g |
| Minimum weight (U=1%,k=2) | 1 g | 0,1 g | 1 g |
| Repeatability (Max) | 0,008 g | 0,0015 g | 0,008 g |
| Repeatability (5% Max) | 0,005 g | 0,0005 g | 0,005 g |
| Linearity | ±0,02 g | ±0,004 g | ±0,02 g |
| Stabilization time | 1,5 s | 3 s | 1,5 s |
| Adjustment | internal (automatic) | internal (automatic) | internal (automatic) |
| OIML Class | II | II | II |
| Physical parameters | | | |
| Levelling system | semi-automatic - LevelSENSING | semi-automatic - LevelSENSING | semi-automatic - LevelSENSING |
| Display | 5" capacitive colour touchscreen | 5" capacitive colour touchscreen | 5" capacitive colour touchscreen |
| Weighing pan dimensions | 195×195 mm | 128×128 mm | 195×195 mm |
| Device dimensions | — | — | — |
| Packaging dimensions | 470×380×336 mm | 470×380×336 mm | 470×380×336 mm |
| Net weight | 4,3 kg | 3,9 kg | 4,5 kg |
| Gross weight | 5,8 kg | 5,5 kg | 6 kg |
| Features of use | | | |
| Database capacity | 7 | 7 | 7 |
| Touch-free operation | 2 IR Sensors | 2 IR Sensors | 2 IR Sensors |
| Communication interface | | | |
| Communication interface | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi |
| Electrical parameters | | | |
| Power supply | 100 ÷ 240 V AC 50 / 60 Hz | 100 ÷ 240 V AC 50 / 60 Hz | 100 ÷ 240 V AC 50 / 60 Hz |
| Power consumption max. | 4 W | 4 W | 4 W |
| Environmental conditions | | | |
| Operating temperature | +10 ÷ +40 °C | +10 ÷ +40 °C | +10 ÷ +40 °C |
| Storage temperature | — | — | — |
| Relative humidity | | | |

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.

Datasheet

| | PS 4500.X2.M Precision Balance | PS 6100.X2.M Precision Balance | PS 8100.X2.M Precision Balance |
|---------------------------------|--|--|--|
| Metrological parameters | | | |
| Maximum capacity [Max] | 4500 g | 6100 g | 8100 g |
| Minimum load | 0,5 g | 0,5 g | 0,5 g |
| Readability [d] | 0,01 g | 0,01 g | 0,01 g |
| Tare range | -4500 g | -6100 g | -8100 g |
| Verification scale interval [e] | 0,1 g | 0,1 g | 0,1 g |
| Minimum weight (USP) | 10 g | 10 g | 10 g |
| Minimum weight (U=1%,k=2) | 1 g | 1 g | 1 g |
| Repeatability (Max) | 0,008 g | 0,008 g | 0,01 g |
| Repeatability (5% Max) | 0,005 g | 0,005 g | 0,005 g |
| Linearity | ±0,02 g | ±0,02 g | ±0,03 g |
| Stabilization time | 1,5 s | 1,5 s | 1,5 s |
| Adjustment | internal (automatic) | internal (automatic) | internal (automatic) |
| OIML Class | II | II | II |
| Physical parameters | | | |
| Levelling system | semi-automatic - LevelSENSING | semi-automatic - LevelSENSING | semi-automatic - LevelSENSING |
| Display | 5" capacitive colour touchscreen | 5" capacitive colour touchscreen | 5" capacitive colour touchscreen |
| Weighing pan dimensions | 195×195 mm | 195×195 mm | 195×195 mm |
| Device dimensions | 333x206x107 mm | 333x206x107 mm | 333x206x107 mm |
| Packaging dimensions | 470×380×340 mm | 470×380×340 mm | 470×380×336 mm |
| Net weight | 4,5 kg | 5,7 kg | 5,7 kg |
| Gross weight | 6,1 kg | 7,3 kg | 7,3 kg |
| Features of use | | | |
| Database capacity | 7 | 7 | 7 |
| Touch-free operation | 2 IR Sensors | 2 IR Sensors | 2 IR Sensors |
| Communication interface | | | |
| Communication interface | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi |
| Electrical parameters | | | |
| Power supply | 100 ÷ 240 V AC 50 / 60 Hz | 100 ÷ 240 V AC 50 / 60 Hz | 100 ÷ 240 V AC 50 / 60 Hz |
| Power consumption max. | 4 W | 4 W | 4 W |
| Environmental conditions | | | |
| Operating temperature | +10 ÷ +40 °C | +10 ÷ +40 °C | +10 ÷ +40 °C |
| Storage temperature | -20 ÷ +50 °C | -20 ÷ +50 °C | — |
| Relative humidity | 40% ÷ 80% | 40% ÷ 80% | 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.

Datasheet

| | PS 10100.X2.M Precision Balance |
|---------------------------------|--|
| Metrological parameters | |
| Maximum capacity [Max] | 10100 g |
| Minimum load | 0,5 g |
| Readability [d] | 0,01 g |
| Tare range | -10100 g |
| Verification scale interval [e] | - |
| Minimum weight (USP) | 10 g |
| Minimum weight (U=1%,k=2) | 1 g |
| Repeatability (Max) | 0,012 g |
| Repeatability (5% Max) | 0,005 g |
| Linearity | ±0,03 g |
| Stabilization time | 1,5 s |
| Adjustment | internal (automatic) |
| OIML Class | - |
| Physical parameters | |
| Levelling system | semi-automatic - LevelSENSING |
| Display | 5" capacitive colour touchscreen |
| Weighing pan dimensions | 195×195 mm |
| Device dimensions | 333×206×107 mm |
| Packaging dimensions | 470×380×340 mm |
| Net weight | 5,7 kg |
| Gross weight | 7,3 kg |
| Features of use | |
| Database capacity | 7 |
| Touch-free operation | 2 IR Sensors |
| Communication interface | |
| Communication interface | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi |
| Electrical parameters | |
| Power supply | 100 ÷ 240 V AC 50 / 60 Hz |
| Power consumption max. | 4 W |
| 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.

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Accessories

Balance Storage Case
Receipt Printer
Barcode scanners
Cigarette lighter receptacle power supply cables

Granite Antivibration Tables
Displays
Draft Shield
Protective cover for balances

Power Adapters
USB cable (scale - printer)
Density determination kit
Anti-draft Chamber for balances with a weighing pan 128×128mm

RS 232, RS 485 cables
Under-Pan Weighing Rack
RS 232 cables (scale - EPSON printer)

Software

RAD-KEY
RADWAG Connect
R-LAB
E2R System

LabVIEW Driver
Alibi Reader
RADWAG Development Studio
R.Barcode