

# **PS 360.X7 Precision Balance**



More information on the website radwag.com/en/info,w1,N1D



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

### Functions

Q	Autotest		Dosing	%	Percent Weighing		Parts counting
MAY	Peak hold		Formulation	<b>7</b>	Newton unit measurement	<u>.al</u>	Statistics
- <u>OK</u> +	Checkweighing	4	IR sensors	\$	Under-pan weighing	GLP	GLP Procedures
	Animal weighing	ρ	Density determination	l	Ambient conditions monitoring	G	Replaceable unit
SQC	Statistical Quality Control		ALIBI Memory	₩	Mass for titrator		Wi-Fi

## Datasheet

Metrological parameters				
Maximum capacity [Max]	360 g			
Minimum load	-			
Readability [d]	1 mg			
Verification unit [e]	-			

Tare range360 gStandard repeatability [5% Max]0.5 mgStandard repeatability [Max]1 mgStandard nepeatability [Max]1 gStandard minimum weight (USP)0.1 gStandard minimum weight (USP)2 mgStandard minimum weight (USP)2 mgPolys components2 mgPolys components2 mgStandard minimum weight (USP)2 mgPolys components2 mgPolys components2 mgStandard dimensions2 mgPolys components2 mg		
Standard repeatability [5%, Max]0.5 mgStandard ninimum weight (USP)1 gStandard ninimum weight (USP)0.1 gStandard ninimum weight (USP)2 laStandard ninimum weight (USP)2 laStabilization time2 sAdjustmentInternal (automatic)OML Class-Standard ninimum weight (USP)2 laAdjustment2 laAdjustment2 laOML Class-Standard repeatability temperature drift2 la diff.Display7 grabic colour touchscreenBalance, weighing pans weight, graonding pumper x3, power supply.Veighing pan dimensions2 Scka455x75 mmNet weight3 Ska45x575 mmNet weight6 Ska45x575 mmNet weight5 kgOptic class5 kgConstruction2 Scka45x5x75 mmNet weight1 Ska45x5x75 mm <t< td=""><td>Metrological parameters</td><td></td></t<>	Metrological parameters	
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Standard minimum weight (USP)1 gStandard minimum weight (U-13, k-2)0.1 gStandard minimum weight (U-13, k-2)2 m gStabilization time2 sAdjustmentintendioOIML Class-Sensitivity temperature drift2 n 10 <sup>6</sup> /°C RtEveling systemmanualDisplay7 graphic colour touchscreenDisplay7 graphic colour touchscreenDelivery componentsBalance, weighing pan, weighing pan shield, grounding bumper st., bumper %, power supply.Weighing pan dimensions28×128 mmPackaging dimensions28×128 mmPackaging dimensions399 kgGross weight2 slagProtection classPadatacterDatabase capacity7Protection class2 ResnorsComponents2 ResnorsCommunication interface2 ResnorsPower supply2 ResnorsPower supplySalance: 10 - 240V AC 50//OH2 0.63, 12V DC 1.2A Balance: 12 - 15V DC 0.84 maxPower supplySalance: 12 - 15V DC 0.84 maxPower sup	Standard repeatability [5% Max]	0.5 mg
Standard minimum weight (U=1%, k=2)0.1 gLinearity42 mgStabilization time2 sAdjustmentinternal (automatic)OIML Class-Sensitivity temperature drift2 sPhysical parametersmulalEveling systemmanulaDisplay7 graphic colour touchscreenBalance, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply.Weighing pan dimensions28x128 mmPackaging dimensions28x45x575 mmRott weight3.99 kgConstructionyProtection classPla2Protection class1243Components2 iR SensorsComponents2 iR SensorsProtection class2 iR SensorsCommunication interface2 iR SensorsPower supplyAdapter: 100 – 240V AC 50/60H2 0.63, 12V DC 1.2A Balance: 12 – 15V DC 0.84 maxPower supplyAdapter: 100 – 240V AC 50/60H2 0.63, 12V DC 1.2A Balance: 12 – 15V DC 0.84 maxPower consumption4 WEnvironmentation monitoring (option)HBR 2.0 System, THBR BOX, THB P, THB W, THB S	Standard repeatability [Max]	1 mg
Linearity22 mgStabilization time2 sAdjustmentinternal (automatic)OIML Class-Sensitivity temperature drift2 sPhysical parametersmanualDisplay7 graphic colour touchesreenDelivery components9 graphic colour touchesreenDelivery components28 x 128 mmPackaging dimensions28 x 128 mmPackaging dimensions3.99 kgGross weight5 kgConstruction128 x 128 mmProtection class18 x 455 x 575 mmRots weight3.99 kgGross weight5 kgConstruction128 x 128 mmProtection class18 x 455 x 575 mmRots weight3.99 kgConstruction19 x 32Protection class18 x 328 x 32	Standard minimum weight (USP)	1 g
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Sensitivity temperature drift    2x10 <sup>-6</sup> /°CxRt      Physical parameters    manual      Leveling system    manual      Display    7 'graphic colour touchscreen      Balance, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply.      Weighing pan dimensions    28x128 mm      Packaging dimensions    28x128 mm      Packaging dimensions    3y9 kg      Gross weight    5 kg      Construction    Protection class      Protection class    IP 43      Components and software    Protection class      Touch-free operation    2 lR Sensors      Communication interface    2 arS232', USB-A, USB-B, Ethernet, Wi-Fi      Communication interface    2 dagter: 100 - 240V AC SO/60H 20.6A; 12V DC 1.2A Balance: 12 - 15V DC 0.8A max      Power supply    Balance: 12 - 15V DC 0.8A max      Power consumption    4 W      Etertionation    4 U*      Anioent conditions monitoring (option)    1 HBR 20.5ystem, THBR BOX, THB P, THB W, THB S	Adjustment	internal (automatic)
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Display7° graphic colour touchscreenDelivery componentsBalance, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply.Weighing pan dimensions128×128 mmPackaging dimensions545×455×575 mmNet weight3.99 kgGross weight5 kgConstructionrProtection classIP 43Components and softwarerPatabase capacity7Touch-free operation2 IR SensorsCommunication interfacerCommunication interface2 xRS2321, USB-A, USB-B, Ethernet, Wi-FiPower supplyAdapter: 100 - 240V AC 50/60H2 0.6A; 12V DC 1.2A Balance: 12 - 15V DC 0.8A maxPower consumption4 WChromental conditionsYPortaring temperature+ 10 + 440 °CAmbient conditions monitoring (option)THBR 2.0 System, THBR BOX, THBR P, THB W, THB S	Physical parameters	
Delivery components  Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply.    Weighing pan dimensions  128×128 mm    Packaging dimensions  545×455×575 mm    Net weight  3.99 kg    Gross weight  5 kg    Construction  Fredection class    Protection class  IP 43    Components and software  7    Patabase capacity  7    Features of use  1    Touch free operation  2 IR Sensors    Communication interface  2 xRS2321, USB-A, USB-B, Ethernet, Wi-Fi    Communication interface  3 ender: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A    Power supply  Adapter: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A    Balance: 12 - 15V DC 0.8A max  Power consumption    Power consumption  4 W    Environmental conditions  10 ÷ 440 °C    Ambient conditions monitoring (option)  THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Leveling system	manual
builtery components      bumper x3, power supply.        Weighing pan dimensions      128x128 mm        Packaging dimensions      545x455x575 mm        Net weight      3.99 kg        Gross weight      5 kg        Construction      IP 43        Protection class      IP 43        Components and software      IP 43        Database capacity      7        Features of use      IP 43        Communication interface      IR Sensors        Communication interface      IR Sensors        Communication interface      Adapter: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 - 15V DC 0.8A max        Power consumption      4W        Etvironmental conditions      H0 ÷ 440 °C        Ambient conditions monitoring (option)      THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Display	
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Gross weight5 kgConstructionProtection classIP 43Components and softwareDatabase capacity7Features of useTouch-free operation2 IR SensorsCommunication interfaceCommunication interfaceCommunication interfacePower supplyAdapter: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 - 15V DC 0.8A maxPower consumption4 WEnvironmental conditionsCommunication interfaceDeparting temperatureAdapter: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 - 15V DC 0.8A maxPower consumptionEnvironmental conditionsOperating temperatureAmbient conditions monitoring (option)THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Packaging dimensions	545×455×575 mm
Construction      Protection class    IP 43      Components and software    7      Database capacity    7      Features of use    IP 82 Sensors      Touch-free operation    2 IR Sensors      Communication interface    2 xRS232', USB-A, USB-B, Ethernet, Wi-Fi      Communication interface    2 xRS232', USB-A, USB-B, Ethernet, Wi-Fi      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    +10 + 40 °C      Ambient conditions monitoring (option)    THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Net weight	3.99 kg
Protection classIP 43Components and softwareIP 43Components and software7Database capacity7Features of useIFouch-free operation2 IR SensorsCommunication interface2 IR SensorsCommunication interface2 xRS2321, USB-A, USB-B, Ethernet, Wi-FiCommunication interface4 XPower supplyAdapter: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 - 15V DC 0.8A maxPower consumption4 WEnvironmental conditionsIOperating temperature+10 + 440 °CAmbient conditions monitoring (option)THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Gross weight	5 kg
Components and software      Database capacity    7      Features of use    2 IR Sensors      Touch-free operation    2 IR Sensors      Communication interface    2×RS232', USB-A, USB-B, Ethernet, Wi-Fi      Communication interface    2×RS232', USB-A, USB-B, Ethernet, Wi-Fi      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    4 W      Coperating temperature    +10 + +40 °C      Ambient conditions monitoring (option)    THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Construction	
Database capacity    7      Features of use    2      Touch-free operation    2      Communication interface    2      Communication interface    2×RS232¹, USB-A, USB-B, Ethernet, Wi-Fi      Electrical parameters    2      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    4 W	Protection class	IP 43
Features of use      Touch-free operation    2 IR Sensors      Communication interface    2×RS232', USB-A, USB-B, Ethernet, Wi-Fi      Communication interface    2×RS232', USB-A, USB-B, Ethernet, Wi-Fi      Electrical parameters    2      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    4 W      Operating temperature    +10 ÷ +40 °C      Ambient conditions monitoring (option)    THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Components and software	
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Communication interfaceCommunication interface2×RS232¹, USB-A, USB-B, Ethernet, Wi-FiElectrical parametersPower supplyAdapter: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 - 15V DC 0.8A maxPower consumption4 WEnvironmental conditionsOperating temperature+10 ÷ +40 °CAmbient conditions monitoring (option)THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Features of use	
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Electrical parameters    Adapter: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 - 15V DC 0.8A max      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    +10 ÷ +40 °C      Operating temperature    +10 ÷ +40 °C      Ambient conditions monitoring (option)    THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Communication interface	
Power supplyAdapter: 100 - 240V AC 50/60Hz 0.6A; 12V DC 1.2A Balance: 12 - 15V DC 0.8A maxPower consumption4 WEnvironmental conditions	Communication interface	2×RS232 <sup>1</sup> , USB-A, USB-B, Ethernet, Wi-Fi
Power consumption  Balance: 12 – 15V DC 0.8A max    Power consumption  4 W    Environmental conditions	Electrical parameters	
Environmental conditions      Operating temperature    +10 ÷ +40 °C      Ambient conditions monitoring (option)    THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Power supply	
Operating temperature+10 ÷ +40 °CAmbient conditions monitoring (option)THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Power consumption	4 W
Ambient conditions monitoring (option)    THBR 2.0 System, THBR BOX, THB P, THB W, THB S	Environmental conditions	
	Operating temperature	+10 ÷ +40 °C
Relative humidity 40% ÷ 80%	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.

<sup>1</sup> 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) Density determination KIT 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

#### Software

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

#### **Device dimensions**

Displays 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

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



