



5Y.50.PM Precision Balance, 5Y.120.PM Precision Balance, 5Y.10.PM Precision Balance,
5Y.35.PM Precision Balance, 5Y.15.PM Precision Balance, 5Y.25.PM Precision Balance,
5Y.60.PM Precision Balance, 5Y.20.PM Precision Balance

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



5Y.50.PM Precision Balance
5Y.35.PM Precision Balance
5Y.25.PM Precision Balance



5Y.120.PM Precision Balance
5Y.60.PM Precision Balance



5Y.10.PM Precision Balance
5Y.15.PM Precision Balance
5Y.20.PM 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



Under-pan weighing:
- 5Y.10.PM Precision Balance
- 5Y.15.PM Precision Balance
- 5Y.20.PM Precision Balance
- 5Y.25.PM Precision Balance
- 5Y.35.PM Precision Balance
- 5Y.50.PM Precision Balance

Datasheet

	5Y.10.PM Precision Balance WL-224-0001	5Y.15.PM Precision Balance WL-224-0002	5Y.20.PM Precision Balance WL-224-0003
Metrological parameters			
Maximum capacity [Max]	10 kg	15 kg	20 kg
Minimum load	0,5 g	-	-
Preload range	1 kg		
Readability [d]	0,01 g	0,01 g	0,01 g
Verification unit [e]	0,1 g	-	-
Tare range	-10 kg	-15 kg	-20 kg
Standard repeatability [5% Max]	0,004 g	0,004 g	0,004 g
Standard repeatability [Max]	0,01 g	0,012 g	0,015 g
Minimum weight (USP)	8,2 g	8,2 g	8,2 g
Minimum weight (U=1%,k=2)	0,82 g	0,82 g	0,82 g
Linearity	±0,025 g	±0,03 g	±0,03 g
Stabilization time	1 s	1 s	1 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II	-	-
Physical parameters			
Leveling system	semi-automatic – LevelSENSING	semi-automatic – LevelSENSING	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
Delivery components	Precision Balance, weighing pan, fabric dust cover, power supply.	Precision Balance, weighing pan, fabric dust cover, power supply.	Precision Balance, weighing pan, fabric dust cover, power supply.
Weighing pan dimensions	200×185 mm	200×185 mm	200×185 mm
Packaging dimensions	520×520×280 mm	520×520×280 mm	520×520×280 mm
Net weight	12,96 kg	12 kg	12 kg
Gross weight	14,2 kg	14,2 kg	14,2 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*
Environmental conditions			
Operating temperature	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C

Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing. Stabilization time dependson the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. *Power consumption depends on the terminal configuration and the number and type of external devices connected.

Datasheet

	5Y.25.PM Precision Balance WL-224-0004	5Y.35.PM Precision Balance WL-224-0005	5Y.50.PM Precision Balance WL-224-0006
Metrological parameters			
Maximum capacity [Max]	25 kg	35 kg	50 kg
Minimum load	5 g	5 g	5 g
Preload range	2,5 kg	3,5 kg	5 kg
Readability [d]	0,1 g	0,1 g	0,1 g
Verification unit [e]	1 g	1 g	1 g
Tare range	-25 kg	-35 kg	-50 kg
Standard repeatability [5% Max]	0,04 g	0,04 g	0,04 g
Standard repeatability [Max]	0,1 g	0,05 g	0,15 g
Minimum weight (USP)	82 g	100 g	82 g
Minimum weight (U=1%,k=2)	8,2 g	10 g	8,2 g
Linearity	±0,3 g	±0,3 g	±0,3 g
Stabilization time	1 s	1 s	1 s
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
OIML Class	II	II	II
Physical parameters			
Leveling system	semi-automatic – LevelSENSING	semi-automatic – LevelSENSING	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
Delivery components	Precision Balance, weighing pan, fabric dust cover, power supply.	Precision Balance, weighing pan, fabric dust cover, power supply.	Precision Balance, weighing pan, fabric dust cover, power supply.
Weighing pan dimensions	350×260 mm	350×260 mm	350×260 mm
Packaging dimensions	520×520×280 mm	520×520×280 mm	520×520×280 mm
Net weight	12 kg	12 kg	12 kg
Gross weight	14,2 kg	16 kg	14,2 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Communication interface			
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*
Environmental conditions			
Operating temperature	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C

Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing. Stabilization time dependson the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. *Power consumption depends on the terminal configuration and the number and type of external devices connected.

Datasheet

	5Y.60.PM Precision Balance WL-224-0007	5Y.120.PM Precision Balance WL-224-0009
Metrological parameters		
Maximum capacity [Max]	60 kg	120 kg
Minimum load	10 g	-
Preload range	6 kg	
Readability [d]	0,1 g	0,2 g
Verification unit [e]	1 g	-
Tare range	-60 kg	-120 kg
Standard repeatability [5% Max]	0,041 g	0,082 g
Standard repeatability [Max]	0,15 g	0,2 g
Minimum weight (USP)	82 g	164 g
Minimum weight (U=1%,k=2)	8,2 g	16,4 g
Linearity	±0,3 g	±0,6 g
Stabilization time	1 s	1 s
Adjustment	internal (automatic)	internal (automatic)
OIML Class	II	-
Physical parameters		
Leveling system	semi-automatic – LevelSENSING	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen	10" graphic colour touchscreen
Delivery components	Precision Balance, weighing pan, power supply.	Precision Balance, weighing pan, power supply.
Weighing pan dimensions	400×500 mm	400×500 mm
Packaging dimensions	710×610×240 mm	710×610×240 mm
Net weight	22 kg	22 kg
Gross weight	26,5 kg	24,5 kg
Construction		
Protection class	IP 43	IP 43
Communication interface		
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters		
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,6A max; 10–19W*
Environmental conditions		
Operating temperature	+10 – +40 °C	+10 – +40 °C

Repeatability is expressed as a standard deviation from 10 cycles of mass standard weighing. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. *Power consumption depends on the terminal configuration and the number and type of external devices connected.

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



Additional fee for verification



Accessories (Additional Fee)

MediaBox
RFID Tags

Under-pan weighing
RS 232, RS 485 cables

Antivibration Tables
Power Adapters
Additional modules
Professional Weighing Tables
Protective cover for balances
Barcode scanners
Balance Storage Case

RS 232, RS 485 cables
Protective cover for balances
Stands, wall mounting kits and mounting brackets
Receipt Printer
Fingerprint Reader
RS 232 – USB Converter

Software (Additional Fee)

E2R System
RADWAG Remote Desktop

Label Editor R02
Scales Editor 2.1

Device dimensions

5Y.50.PM Precision Balance, 5Y.35.PM Precision Balance, 5Y.25.PM Precision Balance





