



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

# Datasheet

	5Y.10.PM Precision Balance	5Y.15.PM Precision Balance	5Y.20.PM Precision Balance
<b>Metrological parameters</b>			
<b>Maximum capacity [Max]</b>	10 kg	15 kg	20 kg
<b>Minimum load</b>	0,5 g	-	-
<b>Readability [d]</b>	0,01 g	0,01 g	0,01 g
<b>Verification unit [e]</b>	0,1 g	- g	-
<b>Tare range</b>	-10 kg	-15 kg	-20 kg
<b>Minimum weight (USP)</b>	8,2 g	8,2 g	8,2 g
<b>Minimum weight (U=1%,k=2)</b>	0,82 g	0,82 g	0,82 g
<b>Repeatability (Max)</b>	0,01 g	0,012 g	0,015 g
<b>Repeatability (5% Max)</b>	0,004 g	0,004 g	0,004 g
<b>Linearity</b>	±0,025 g	±0,03 g	±0,03 g
<b>Stabilization time</b>	1 s	1 s	1 s
<b>Adjustment</b>	internal (automatic)	internal (automatic)	internal (automatic)
<b>OIML Class</b>	II	-	-
<b>Physical parameters</b>			
<b>Leveling system</b>	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
<b>Display</b>	10" graphic colour touchscreen	10" graphic colour touchscreen	10" graphic colour touchscreen
<b>Weighing pan dimensions</b>	200×185 mm	200×185 mm	200×185 mm
<b>Packaging dimensions</b>	520×520×280 mm	520×520×280 mm	520×520×280 mm
<b>Net weight</b>	12,96 kg	12 kg	12 kg
<b>Gross weight</b>	14,2 kg	14,2 kg	14,2 kg
<b>Construction</b>			
<b>Protection class</b>	IP 43	IP 43	IP 43
<b>Communication interface</b>			
<b>Communication interface</b>	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>			
<b>Power supply</b>	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 16V DC 1,4A max*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 16V DC 1,4A max*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 16V DC 1,4A max*
<b>Environmental conditions</b>			
<b>Operating temperature</b>	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C

\* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

# Datasheet

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

\* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

# Datasheet

	5Y.60.PM Precision Balance	5Y.120.PM Precision Balance
<b>Metrological parameters</b>		
Maximum capacity [Max]	60 kg	120 kg
Minimum load	10 g	-
Readability [d]	0,1 g	0,2 g
Verification unit [e]	1 g	-
Tare range	-60 kg	-120 kg
Minimum weight (USP)	82 g	164 g
Minimum weight (U=1%,k=2)	8,2 g	16,4 g
Repeatability (Max)	0,15 g	0,2 g
Repeatability (5% Max)	0,041 g	0,082 g
Linearity	±0,3 g	±0,6 g
Stabilization time	1 s	1 s
Adjustment	internal (automatic)	internal (automatic)
OIML Class	II	-
<b>Physical parameters</b>		
Leveling system	semi-automatic - LevelSENSING	semi-automatic - LevelSENSING
Display	10" graphic colour touchscreen	10" graphic colour touchscreen
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
<b>Construction</b>		
Protection class	IP 43	IP 43
<b>Communication interface</b>		
Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>		
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 16V DC 1,4A max*	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 16V DC 1,4A max*
<b>Environmental conditions</b>		
Operating temperature	+10 – +40 °C	+10 – +40 °C

\* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

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



Extra payment for verification



## Accessories

MediaBox  
RFID Tags  
Antivibration Tables  
Power Adapters  
Additional modules  
Professional Weighing Tables  
Protective cover for balances  
Barcode scanners

Under-pan weighing  
RS 232, RS 485 cables  
USB Hubs  
RS 232, RS 485 cables  
Stands, wall mounting kits and mounting brackets  
Receipt Printer  
Fingerprint Reader  
RS 232 – USB Converter

## Software

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





