

# PRECISION BALANCES PM 60



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PM series balances are equipped with an innovative measuring system based on RADWAG MonoBLOCK™ technology. This enables operation with readability of 0.01g at capacity of 15kg, and with readability of 0.5g at capacity of 50 kg. Use of the new measuring system, which is a subject matter of RADWAG patent, guarantees stability of repeatability over time at a range  $sd < 1d$ . The unique measuring system solution is characterized with great resistance to ambient conditions change. An in-built 4-point protection system prevents balance overloading, this ensures safety in case too heavy load is applied onto the weighing pan.

## PM.4Y Functions

- Parts counting
- Dosing
- Checkweighing
- Formulation
- Percent deviations
- Statistics
- Animal weighing
- Differential weighing
- Density determination
- Statistical Quality Control
- Autotest (GLP, Filter)
- GLP procedures
- Infrared sensors
- Ambient conditions monitoring

## Main features:

- new RADWAG MONOBLOCK sensor;
- unrivalled repeatability of indications;
- weighing of heavy loads with maximum accuracy;
- intuitive operation guaranteed by a colour touchscreen;
- compliance with CFR21;
- fast mass measurements;
- robust mechanical design – new lower weighing platform;
- improved ergonomics – two types of weighing terminal for selection.

## Technical specification:

	PM 60.05.4Y	PM 60.1.4Y
Verification	NO	NO
Max capacity	60 kg	60 kg
Minimum load	-	-
Readability [d]	0,5 g	1 g
Tare range	-60 kg	-60 kg
Repeatability at nominal load *	0,4 g	0,8 g
Repeatability at low load *	0,2 g	0,4 g
Linearity	$\pm 1,5$ g	$\pm 3$ g
Sensitivity drift	2 ppm/°C in temperature $+15^{\circ} \div +35^{\circ} \text{C}$	
Minimum weight (USP)	410 g	820 g
Minimum weight ( $U=1\%, k=2$ )	41 g	82 g
Stabilization time (typical)	3 s	3 s
Adjustment / Calibration	Internal (automatic)	Internal (automatic)
Weighing pan dimension	500 × 400 mm	500 × 400 mm
Weighing pan type	standard weighing pan	standard weighing pan
Working temperature	$+10^{\circ} \div +40^{\circ} \text{C}$	
Terminal model	4Y terminal	
Display type	5,7" touch screen	
Communication interfaces	2×USB-A, 2×RS 232, 1×Ethernet, 1×Wireless Connection, 4 in / 4 out (digital)	
Power supply	12 ÷ 16 V DC	
Power consumption	0,5 A	
Net weight / Gross weight	17 kg / 19 kg	17 kg / 19 kg
Packaging size	70 × 60 × 20 cm	

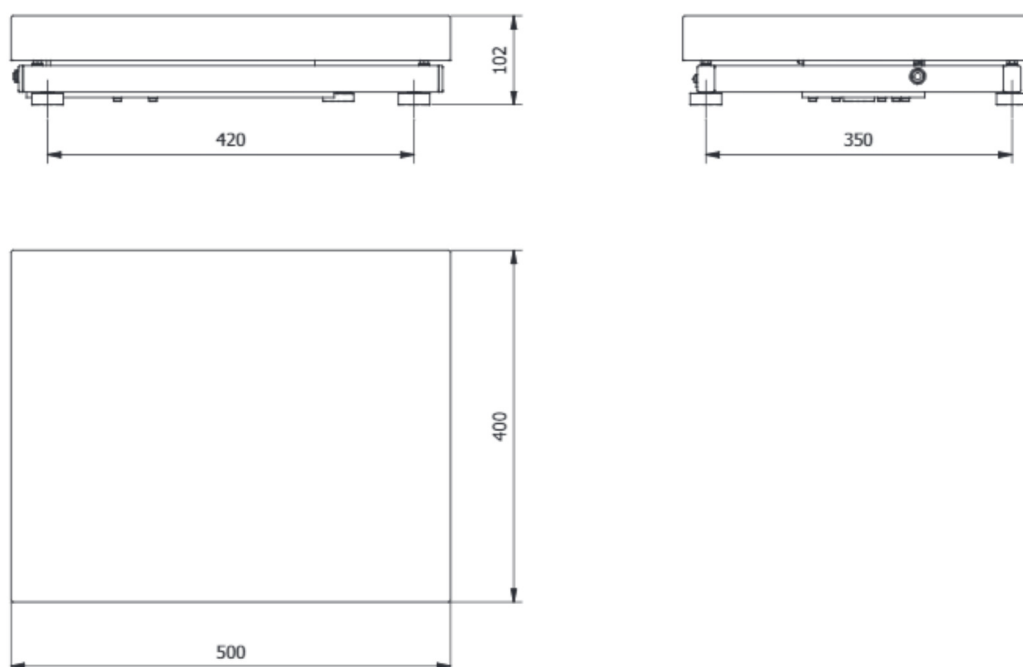
\* Repeatability is expressed as a standard deviation from 10 weighing cycles

## Technical specification:

	PM 60.05.C32	PM 60.1.C32
Verification	NO	NO
Max capacity	60 kg	60 kg
Minimum load	-	-
Readability [d]	0,5 g	1 g
Tare range	-60 kg	-60 kg
Repeatability at nominal load *	0,4 g	0,8 g
Repeatability at low load *	0,2 g	0,4 g
Linearity	± 1,5 g	± 3 g
Sensitivity drift	2 ppm/°C in temperature +15 ° ÷ +35 °C	
Minimum weight (USP)	410 g	820 g
Minimum weight (U=1%,k=2)	41 g	82 g
Stabilization time (typical)	3 s	3 s
Adjustment / Calibration	Internal (automatic)	Internal (automatic)
Weighing pan dimension	500 × 400 mm	500 × 400 mm
Weighing pan type	standard weighing pan	standard weighing pan
Working temperature	+10 ° ÷ +40 °C	
Terminal model	PUE C32 terminal	
Display type	5" graphic colour	
Communication interfaces	1×USB-A, 1×USB-B, 2×RS 232, 1×Ethernet, 1×Wireless Connection	
Power supply	12 ÷ 16 V DC	
Power consumption	0,5 A	
Net weight / Gross weight	17 kg / 19 kg	17 kg / 19 kg
Packaging size	70 × 60 × 20 cm	

\* Repeatability is expressed as a standard deviation from 10 weighing cycles

## Dimensions:



## Additional equipment:

Antivibration table for laboratory balances	Power adapter with battery and charger ZR-02
Dot matrix Epson printer	Mass standard
Label printer Citizen	Power loop module AP2-1 (wersja plastikowa)
R-LAB, ALIBI READER computer software	Bar code scanner
Additional LCD display "WD-5" (for PM.4Y)	Cable RS 232 (scale, Epson , Citizen printer) "P0151"
Additional LCD display "WD-4/1" (for PM.C32)	Cable RS 232 (scale,PC) "P0108"
THB ambient conditions module	WWG-2 Large-size display (for PM.C32)