

PM 4Y Precision Balances

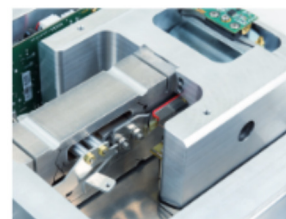
'Professional level' measurement of large masses with the highest accuracy in laboratory and industry



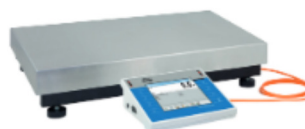
PM 4Y, d = 0.01 g



PM 4Y, d = 0.1 g



Radwag MonoBLOCK™, an innovative weighing system



PM 4Y, d = 0.5 g, d = 1 g



Wireless communication between a weighing device and an indicator

Functions

 Parts counting	 Percent weighing	 Statistical quality control	 Under hook weighing	 Ambient conditions measurement
 Dosing	 Statistics	 Autotest	 GLP procedures	 Replaceable unit
 Checkweighing	 Animal weighing	 Density determination	 Proximity sensors	 Multilingual menu
 Formulations	 Differential weighing			

Features

Reliable Results and High Measurement Precision

Excellent measurement parameters and performance enable applying PM 4Y balances in laboratories and various branches of industry.

Radwag MonoBLOCK™, an Innovative Weighing System

The cutting edge technology of the measuring system guarantees stability of repeatability in time, where $sd < 1d$, and a significant resistance to ambient conditions.

Weighing Heavy Loads With the Maximum Accuracy

It is possible to work with samples of different weight values, from few grams to several kilograms, wherein the highest measurement accuracy and excellent result repeatability are maintained.

Reliability and Safety

4-point protection system prevents balance overloading, this ensures safety in case too heavy load is applied onto the weighing pan. Robust design allows to operate the device even in the most challenging ambient conditions.

Intuitive Operation and Touch Screen

5.7" colour touch screen enables intuitive operation and easy access to numerous applications and functions of the weighing instrument.

Automatic Adjustment

Internal adjustment system guarantees the highest accuracy and reliable measurements results.

Touch-Free Operation

Two programmable proximity sensors can be assigned with any function or application. The given function when assigned is both run and operated touch-free.

Numerous Options of Data Management

The instrument enables saving all completed measurements data as complex reports and graphs.

Technical Specifications

	PM 10.4Y	PM 15.4Y	PM 35.4Y
Maximum capacity [Max]	10 kg	15 kg	35 kg
Preload	1 kg	1.5 kg	3.5 kg
Minimum load	0.5 g	0.5 g	5 g
Readability [d]	0.01 g	0.01 g	0.1 g
Verification scale interval [e]	0.1 g	—	1 g
Tare range	−10 kg	−15 kg	−35 kg
Repeatability (5% Max)*	0.004 g	0.004 g	0.04 g
Repeatability (Max)	0.01 g	0.015 g	0.1 g
Linearity	± 0.03 g	± 0.03 g	± 0.3 g
Sensitivity temperature drift**	$2 \times 10^{-6} / ^\circ\text{C} \times R_t$	$2 \times 10^{-6} / ^\circ\text{C} \times R_t$	$2 \times 10^{-6} / ^\circ\text{C} \times R_t$
Minimum weight (U=1%, k=2)	0.82 g	0.82 g	8.2 g
Minimum weight (USP)	8.2 g	8.2 g	82 g
Stabilization time	3 s	3 s	3 s
Adjustment	internal	internal	internal
Verification	Yes	—	Yes
OIML Class	II	—	II
Indicator fastening	1.5 m cable	1.5 m cable	1.5 m cable
Terminal model	4Y terminal	4Y terminal	4Y terminal
Display	5.7" colour, resistive touch screen	5.7" colour, resistive touch screen	5.7" colour, resistive touch screen
Keypad	8 keys	8 keys	8 keys
Protection class	IP 43	IP 43	IP 43
Databases	19	19	19
Touch-free operation	2 programmable proximity sensors	2 programmable proximity sensors	2 programmable proximity sensors
USB-A	2	2	2
RS 232	2	2	2
Ethernet	10 / 100 Mbit	10 / 100 Mbit	10 / 100 Mbit
Wireless connection	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
IN/OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT
Power supply	13.5 ÷ 16 V DC	13.5 ÷ 16 V DC	13.5 ÷ 16 V DC
Power consumption	15 W	15 W	15 W
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Atmospheric humidity***	40 ÷ 80 %	40 ÷ 80 %	40 ÷ 80 %
Transport and storage temperature	−10 ÷ +50 °C	−10 ÷ +50 °C	−10 ÷ +50 °C
Weighing pan dimensions	200 × 185 mm	200 × 185 mm	347 × 259 mm
Weighing device dimensions	508 × 296 × 115 mm	508 × 296 × 115 mm	508 × 296 × 115 mm
Net weight	10 kg	10 kg	11 kg
Gross weight	12.2 kg	12.2 kg	13.2 kg
Packaging dimensions	520 × 520 × 280 mm	520 × 520 × 280 mm	520 × 520 × 280 mm

Rt net weight

* repeatability is expressed as a standard deviation from 10 weighing cycles

** parameter determined in the following temperature range: +15 ÷ +35 °C

*** non-condensing conditions

In accordance with type approval, the balance parameters are maintained in temperature range: +15 ÷ +35 °C.