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## *Radwag Microbalance MYA 3Y* **Specifications**

Microbalances MYA 3Y series are intended to measure mass with the highest accuracy. They feature 5, 7" LCD color touch panel which provides new possibilities of balance operation and presenting measurement results. Measurement reliability and accuracy are maintained by system of automatic internal adjustment / calibration.

Level control in the MYA 3Y series is based on LevelSENSING system, RADWAG patented solution, which uses a system of an electronic level. New function is online monitoring of ambient conditions through built-in ambient conditions module with visualization on balance's display.

Personalization of balance settings is carried out in extended user profiles and multilevel system of access levels to balance's menu. Control over opening and closing of the weighing chamber's door is carried out through programmable IR proximity sensors, installed on the terminal's overlay.

Differential weighing mode aids mass control of the same sample subjected to differed processes over time. It is particularly useful in pharmacy, environmental protection, petroleum chemistry, etc. Pipettes calibration mode is carried out using an adapter, which is an ergonomic tool aiding calibration and checking of piston pipettes using gravimetric measuring method.

Extended databases enable storing all carried out measurements, with option of printing and exporting them. Standard and user defined printouts allow for maintaining documentation complying with GLP/GMP requirements practically in any application.

### **Technical Data:**

	<b>MYA 2.3Y</b>	<b>MYA 0,8/3.3Y</b>	<b>MYA 5.3Y</b>	<b>MYA 11.3Y</b>	<b>MYA 21.3Y</b>
Max load	2 g	0,8/3 g	5 g	11 g	21 g
Readability	1 µg	1/10 µg	1 µg	1 µg	1 µg
Repeatability *	1 µg	1 µg	1,6 µg	2,0 µg (do 5g)	2,0 µg (do 5g)
				2,5 µg (5g÷11g)	2,5 µg (5g÷11g)
					3,0 µg (11g÷21g)
Linearity	±3 µg	±3 µg	±5 µg	±6 µg	±7 µg

Eccentric load deviation	3 $\mu$ g	3 $\mu$ g	5 $\mu$ g	6 $\mu$ g	7 $\mu$ g
Sensitivity offset	$1,5 \times 10^{-6} \times R_t$	$1,5 \times 10^{-6} \times R_t$	$1,5 \times 10^{-6} \times R_t$	$3 \times 10^{-6} \times R_t$	$4 \times 10^{-6} \times R_t$
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$
Sensitivity stability	$1 \times 10^{-6} / R_{ok} \times R_t$	$1 \times 10^{-6} / R_{ok} \times R_t$	$1 \times 10^{-6} / R_{ok} \times R_t$	$1 \times 10^{-6} / R_{ok} \times R_t$	$1 \times 10^{-6} / R_{ok} \times R_t$
Minimum weight (USP)	3 mg	3 mg	4,8 mg	6,0 mg	6,0 mg
Minimum weight (U = 1%, k = 2)	0,2 mg	0,2 mg	0,32 mg	0,38 mg	0,38 mg
Pan size	$\varnothing$ 16 mm	$\varnothing$ 16 + 60 mm (do filtrów)	$\varnothing$ 26 mm	$\varnothing$ 26 mm	$\varnothing$ 26 mm
Weighing chamber dimensions			$\varnothing$ 90 $\times$ 90 mm		
Stabilization time			5 s		
Adjustment/Calibration			automatic (internal)		
Interface			2 $\times$ USB, RS 232, Ethernet, 4 in / 4 out (digital)		
Power supply			110 $\div$ 230 V AC / 50 $\div$ 60 Hz / 13,5 $\div$ 16 V DC / 1,1 A		
Display			5,7" touch screen		
<b>Ambient conditions</b>					
Working temperature			$\pm 0,3$ $^\circ\text{C}/\text{h}$ ( $\pm 1$ $^\circ\text{C}/8\text{h}$ )		
Change rate of working temperature			45% $\div$ 65%		
Atmospheric humidity			$\pm 1\%/h$ ( $\pm 4\%/8h$ )		
Change rate of atmospheric humidity					

\* Repeatability is expressed as a standard deviation from 10 weighing cycles. Data given in tables are values determined in typical laboratory conditions. In the actual operation conditions the values of these parameters may differ from those listed above because of the impact of ambient conditions and/or balance settings. Rt - net weight, release date 08-01-2013.

**Electronic level indicator**

- ALARM function
- Graphic level indicator
- Programmable acceptable tilts

**Infrared Proximity Sensors**

- PRINT function
- TARE function
- Opening Weighing chambers
- Sensor's Sensitivity Adjustment



Additional Equipment	
Antivibration table for microbalances	Antistatic ionizer DJ-03
Professional weighing table	THB 2 ambient conditions module
Kafka thermal printer	Additional LCD display "WD-5/3Y"
Impact Epson printer	PC USB keyboard
Label printer Citizen	Power adapter with battery and charger ZR-02
Anti draft shield for microbalances	Mass standard
Tare and Print foot button	Antistatic cable PA 1
PW-WIN computer software	Bar code scanner
RAD-KEY computer software	Cable RS 232 (balance - Kafka printer) "P0136"
REC-FS computer software	Cable RS 232 (balance - Epson, Citizen printer) "P0151"

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