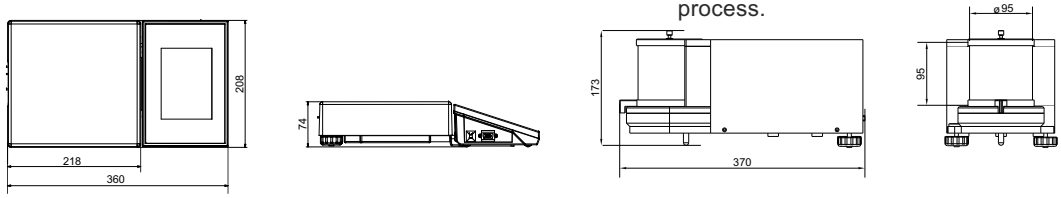
MYA MICROBALANCES

release date 24-10-2011

MYA series of microbalances is designed to meet the highest requirements for determination of mass. Measurement reliability and accuracy are maintained by system of automatic internal adjustment / calibration.
Microbalances comprise two major components (an electronic module and a precise mechanical measuring system are enclosed separately). Such design eliminates the influence of heat sourcing from instrument's electronics on its mechanical components and additionally protects it from shocks and vibrations caused by users operating the instrument.
All the elements of a microbalance are made of glass and steel which eliminates the influence of electrostatics on weighing process.

- Filling
- Checkweighing
- Percent setup
- Statistics
- Air Buoyancy Correction
- Infrared sensors
- GLP procedures

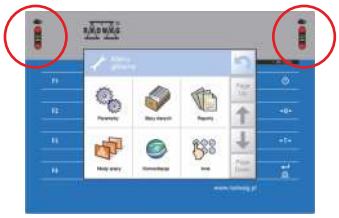


Electronic level indicator

- ALARM function
- graphic level indicator
- programmable acceptable tilts

Infrared proximity sensors

- PRINT function
- TARE function
- opening weighing chambers
- sensors' sensitivity adjustment



Technical data:

	MYA 2	MYA 0,8/3	MYA 5	MYA 11	MYA 21
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
Tare range	- 2 g	-3 g	- 5 g	- 11 g	- 21 g
Repeatability *	1 µg	1 µg	1 µg	2,0 µg (to 5g) 2,5 µg (5g÷11g)	2,0 µg (to 5g) 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 µg	3 µg	5 µg	6 µg	7 µg
Sensitivity offset	$1,5 \times 10^{-6} \times Rt$	$1,5 \times 10^{-6} \times Rt$	$2 \times 10^{-6} \times Rt$	$3 \times 10^{-6} \times Rt$	$4 \times 10^{-6} \times Rt$
Sensitivity temperature drift	1×10^{-6} / °C × Rt	1×10^{-6} / °C × Rt	1×10^{-6} / °C × Rt	1×10^{-6} / °C × Rt	1×10^{-6} / °C × Rt
Sensitivity stability	1×10^{-6} / Rok × Rt	1×10^{-6} / Rok × Rt	1×10^{-6} / Rok × Rt	1×10^{-6} / Rok × Rt	1×10^{-6} / Rok × Rt
Minimum weight (USP)	3 mg	3 mg	6 mg	6 mg	6 mg
Minimum weight (U = 1%, k = 2)	0,2 mg	0,2 mg	3,8 mg	3,8 mg	3,8 mg
Pan size	ø 16 mm	ø 16, 60 mm	ø 26 mm	ø 26 mm	ø 26 mm
Weighing chamber dimensions	ø 90 × 90 mm				
Stabilization time	5 s				
Adjustment/Calibration	automatic (internal)				
Display	5,7" touch screen				
Interface	2×USB, 2×RS 232, Ethernet, 2in/2out (digital)				
Ambient conditions					
Working temperature	+10 ° - +40 °C				
Change rate of working temperature	±0,3 °C/h (±1 °C/8h)				
Atmospheric humidity	45% ÷ 65%				
Change rate of atmospheric humidity	±1%/h (±4%/8h)				

Rt - net weight

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

Additional equipment:

Antivibration table for microbalance	Antistatic ionizer DJ-03
Profesional weighing table	Ambient conditions module
Kafka thermal printer	Additional LCD display "WD-3/01/Y"
Impact Epson printer	PC keyboard
Label printer Citizen	Power adapter with battery and charger ZR-02
Anti draft shield for microbalances	Mass standard
Air density determination kit	Antistatic cable
Tare and "Print" foot button	Bar code scanner
PW-WIN computer software	Cable RS 232 (scale - Kafka printer) "P0136"
RAD-KEY computer software	Cable RS 232 (scale - computer) "P0108"
REC-FS computer software	Cable RS 232 (scale, Epson, Citizen printer) "P0151"

RADWAG
26-600 Radom • Bracka Street 28 • POLAND • Phone: +48 48 3848800 • Fax: +48 48 3850010 • www.radwag.com • e-mail:export@radwag.com