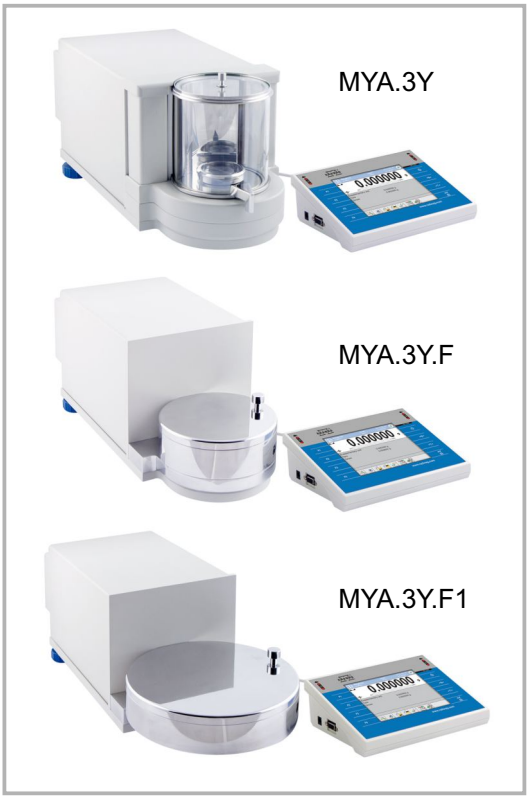
MYA 3Y.F MICROBALANCES

release date 06-03-2015



New generation of microbalances MYA 3Y 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 indicator 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.

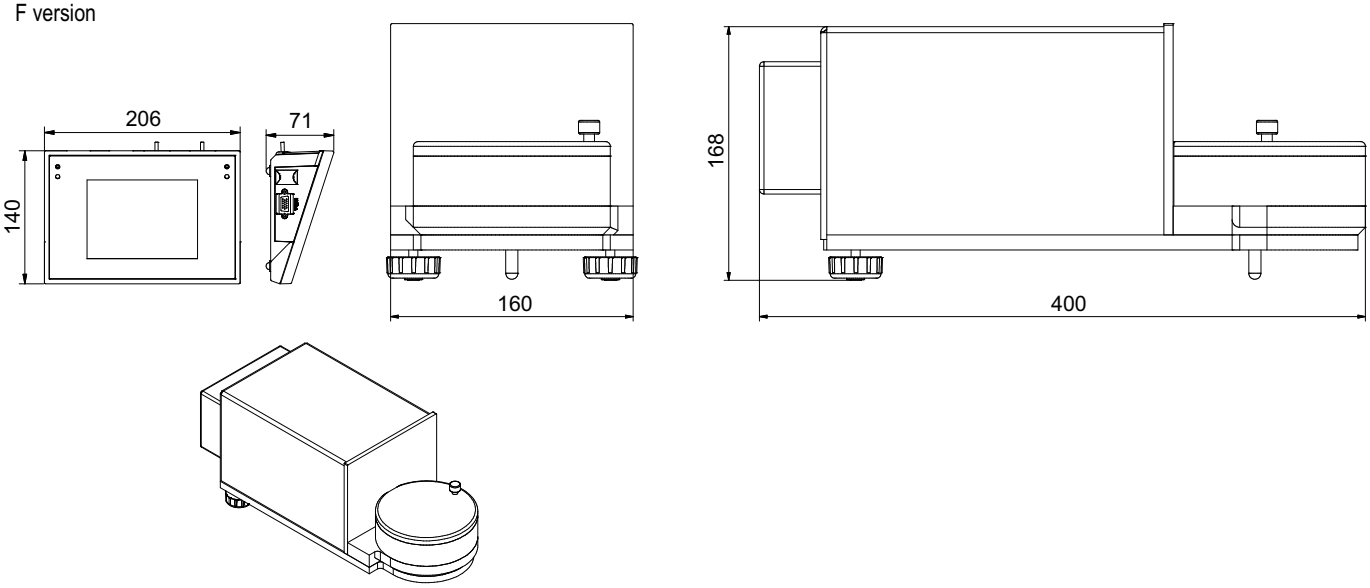
- Parts counting
- Dosing
- Checkweighing
- Formulation
- Percent deviations
- Statistics
- Animal weighing
- Differential weighing
- Pipettes calibration
- Statistical Quality Control
- Autotest (GLP, Filter)
- Air buoyancy compensation
- GLP procedures
- Infrared sensors
- Ambient conditions monitoring
- Newton unit measurement
- Replaceable units

3Y SERIES MICROBALANCES - THE NOVELTIES

- Higher resolution – up to 600 million intervals
- More precise temperature measurement
- Brand new signal filtering algorithm, enabling selective tuning to actual interfering frequency.
- Modernized mechanics design - Susceptibility to air drafts reduced six times
- Cooperation with THB module
- Brand new, faster terminal comprising: audio module (audio readout of the weighing result), video module (tutorial videos playback), WiFi interface and possibility of cooperation with applications based on ANDROID system.

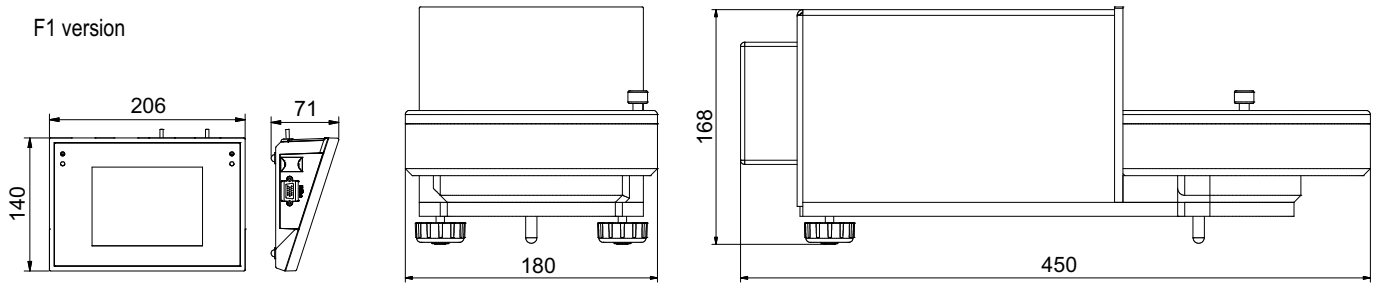
Dimensions:

F version



Dimensions:

F1 version



Technical specification:

	MYA 0,8/3.3Y -	MYA 5.3Y.F -	MYA 5.3Y.F1 -
Max load	0,8/3 g	5 g	5 g
Readability	1/10 µg	1 µg	1 µg
Repeatability *	1 µg / 5 µg	1,6 µg (Rt ≤ 2g) 2,5 µg (2g < Rt ≤ 5g)	1,6 µg (Rt ≤ 2g) 2,5 µg (2g < Rt ≤ 5g)
Linearity	±3 µg / ±4 µg	±5 µg	±5 µg
Eccentric load deviation	3 µg / 4 µg	5 µg	5 µg
Sensitivity offset	1,5 × 10^{-6} × Rt	1,5 × 10^{-6} × Rt	1,5 × 10^{-6} × Rt
Sensitivity temperature drift	1 × 10^{-6} / °C × Rt	1 × 10^{-6} / °C × Rt	1 × 10^{-6} / °C × Rt
Sensitivity stability	1 × 10^{-6} / Year × Rt	1 × 10^{-6} / Year × Rt	1 × 10^{-6} / Year × Rt
Minimum weight (USP)	2 mg	3,2 mg	3,2 mg
Minimum weight (U = 1%, k = 2)	0,2 mg	0,32 mg	0,32 mg
Pan size	ø16 + ø60 mm (weighing pan for filters)	ø 100 mm + ø 26 mm	ø 160 mm + ø 26 mm
Weighing chamber dimensions	ø 90 × 90 mm	ø 118 × 35 mm	ø 168 × 35 mm
Stabilization time	5 s		
Adjustment/Calibration	automatic (internal)		
Power supply	13,5 ÷ 16 V DC / 2,1 A		
Casing of the terminal	ABS plastic		
Display	colour 5,7"(640x480) with a resistive touch screen		
Processor	2 × 1 GHz		
Memory	RAM: 256 MB DDR2, flash: 8 GB microSD		
Interface	2×USB host, 2×RS 232, Ethernet 10/100 Mbit, WiFi 802.11 b,g,n - optional		
Audio module	YES (voice messages support)		
Video support	YES (videos and multimedia instructions)		
IN / OUT	4 in / 4 out (digital)		
Ambient conditions			
Working temperature	+10 ° ÷ +40 °C		
Change rate of working temperature	±0,3 °C/h (±1 °C/8h)		
Atmospheric humidity **	40% ÷ 80%		
Change rate of atmospheric humidity	±1%/h (±4%/8h)		

Rt - net weight

* - repeatability expressed as standard deviation from 10 weighing cycles

** - Non-condensing conditions

Additional equipment:

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

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ADVANCED WEIGHNIG TECHNOLOGIES

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