

# MYA 3Y.F MICROBALANCES



MYA 3Y 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



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 0,8/3.3Y <b>M</b>	MYA 5.3Y.F <b>M</b>	MYA 5.3Y.F1 <b>M</b>
Max load	0,8/3 g	5 g	5 g
Readability	1/10 µg	1 µg	1 µg
Repeatability	1 µg	1,6 µg (< 2 g); 2,5 µg (2 g ÷ 5 g)	1,6 µg (< 2 g); 2,5 µg (2 g ÷ 5 g)
Linearity	±3 µg	±5 µg	±5 µg
Eccentric load deviation	3 µg	5 µg	5 µg
Sensitivity offset	$1,5 \times 10^{-6} \times Rt$	$1,5 \times 10^{-6} \times Rt$	$1,5 \times 10^{-6} \times Rt$
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ C \times Rt$	$1 \times 10^{-6} / ^\circ C \times Rt$	$1 \times 10^{-6} / ^\circ C \times Rt$
Sensitivity stability	$1 \times 10^{-6} / Rok \times Rt$	$1 \times 10^{-6} / Rok \times Rt$	$1 \times 10^{-6} / Rok \times Rt$
Minimum weight (USP)	3 mg	4,8 mg	4,8 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 160 mm
Weighing chamber dimensions	ø 90 × 90 mm	ø 118 × 35 mm	ø 168 × 35 mm
Stabilization time		5 s	
Adjustment / Calibration		automatic (internal)	
Interface		2×USB, 2×RS 232, Ethernet, 2in/2out (digital)	
Power supply		13,5 ÷ 16 V DC / 2,1 A	
Display		5,7" touch screen	
<b>Ambient conditions:</b>			
Working temperature		+10° ÷ +40°C	
Relative air humidity **		40% ÷ 80%	

Rt - net weight

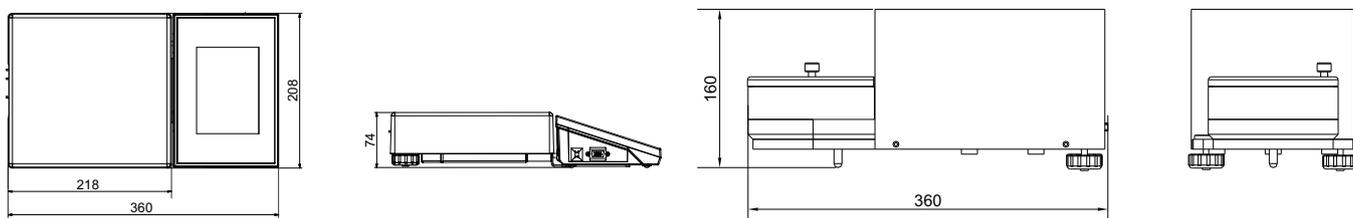
\* - repeatability expressed as standard deviation from 10 weighing cycles

\*\* - Non-condensing conditions

## Additional equipment:

Antivibration table for microbalance	Antistatic ionizer DJ-03
Professional 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"

F version



F1 version

