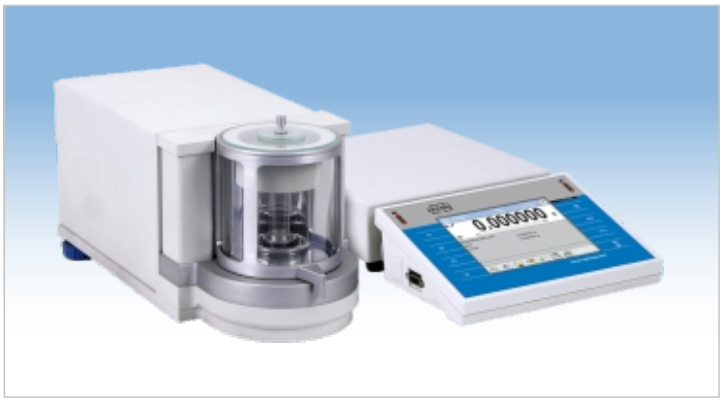
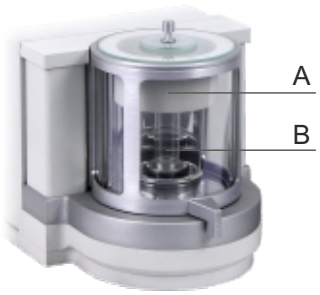
MYA 3Y.P Microbalances for calibration of pipettes





A - evapouration ring
B - calibration vessel

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

MYA 3Y series of microbalances are designed to meet the highest requirements of mass measurements. Balance's weighing chamber is adjusted to calibration of piston pipettes. The non-central location of the opening in chamber's top cover facilitates pipette insertion. Measurement reliability and accuracy are maintained by system of automatic internal adjustment / calibration.
Microbalances consist of two major parts (an electronic system and a precise mechanical measurement system in a separate enclosure). This solution eliminates the temperature influence and separates from shocks and vibrations caused by users operating software.
All the elements of the balance are made of glass and steel which eliminates the influence of electrostatics on the weighing process.

Additional adapter for pipettes calibration is a standard equipment of the balance.

Technical data:

	MYA 21.3Y.P M
Max load	21 g
Readability	1 µg
Repeatability *	2,1 µg (to 2g) 2,5 µg (2g÷5g) 3,1 µg (5g÷11g) 3,8 µg (11g÷21g)
Linearity	±7 µg
Eccentric load deviation	7 µg
Sensitivity offset	4 × 10^{-6} × Rt
Sensitivity temperature drift	1 × 10^{-6} / °C × Rt
Sensitivity time drift	1 × 10^{-6} / Rok × Rt
Minimum weight (USP)	6,3 mg
Minimum weight (U = 1%, k = 2)	0,4 mg
Pan size	ø 26 mm
Weighing chamber dimensions	ø 90 × 90 mm
Stabilization time	5 s
Adjustment / Calibration	automatic (internal)
Working temperature	+10 ° ÷ +40 °C
Relative air humidity **	40% ÷ 80%
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

Rt - net weight

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

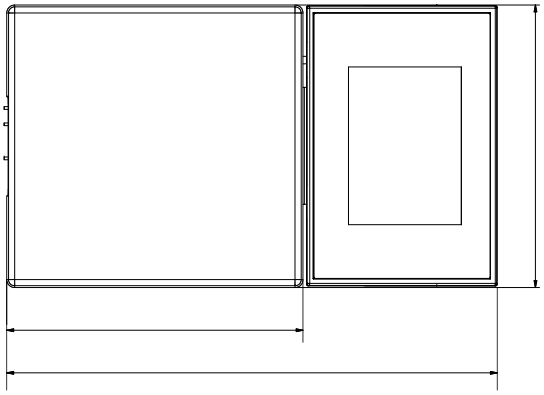
** Non-condensing conditions

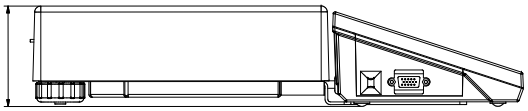
Electronic level indicator

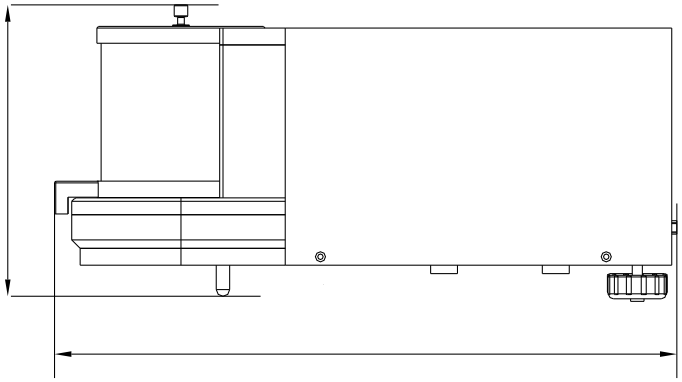
- ALARM function
- graphic level indicator
- programmable acceptable tilts

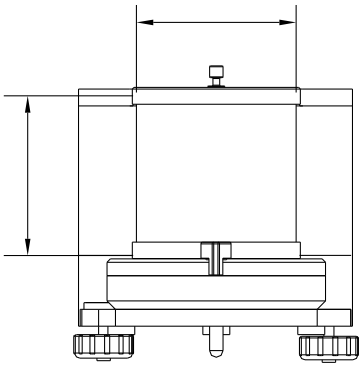
Infrared proximity sensors

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









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"
Pipettes computer software	

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