

MYA 4Y.P Microbalances

The most precise and comfortable calibration and volume control of the piston pipettes












Automatically opened weighing chamber



Weighing chamber with an adapter for pipettes calibration

Functions

- | | | | | |
|---|---|---|--|--|
|  Parts counting |  Percent weighing |  Pipettes calibration |  GLP procedures |  Ambient conditions measurement |
|  Dosing |  Statistics |  Statistical quality control |  Proximity sensors |  Replaceable unit |
|  Checkweighing |  Animal weighing |  Autotest |  automatic lid opening |  Multilingual menu |
|  Formulations |  Differential weighing | | | |

Features

Pipettes Volume Control Compliant with ISO 8655

Special adapter located in the weighing chamber enables verifying the volume of piston pipettes with use of gravimetric method. Evaporation ring limits liquid vaporization which significantly improves measurement accuracy.

2 in 1 Functionality

The MYA 4Y.P microbalances have been designed to allow pipettes calibration, however they offer full functionality typical for devices that are used to carry out standard mass measurement processes.

Significantly Fast Measurement

Powerful processor offers new possibilities of operation assuring both short indication stabilization time and repeatability.

Intuitive Operation and Touch Screen

5.7" colour touch screen enables intuitive operation and easy access to numerous applications and functions of the weighing instrument.

Automatic Level Control

Leveling system facilitates adjustment of device level, it also uninterruptedly controls the level state, and informs about potential level deviations.

Automatic Weighing Chamber

The system controlling weighing chamber opening enables quick access to the weighing pan. Proximity sensors allow you to open and close the weighing chamber touch-free.

Numerous Options of Data Management

Extensive storage capacity enables record of all measurement data in a form of complex reports and statistical graphs.

ALIBI Memory

Data security and protection is provided by ALIBI memory which automatically archives all carried out measurements.

Technical Specifications

	MYA 21.4Y.P
Maximum capacity [Max]	21 g
Minimum load	100 µg
Readability [d]	1 µg
Verification scale interval [e]	1 mg
Tare range	-21 g
Repeatability*	1.2 µg (Rt ≤ 1 g) 2 µg (1 g < Rt ≤ 5 g) 2.5 µg (5 g < Rt ≤ 11 g) 3 µg (11 g < Rt ≤ 21 g)
Linearity	±7 µg
Eccentric load deviation	7 µg
Sensitivity temperature drift**	$1 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times \text{Rt}$
Minimum weight (U=1%, k=2)	0.24 mg
Minimum weight (USP)	2.4 mg
Stabilization time	max 10 s
Adjustment	internal
Verification	Yes
OIML Class	I
Indicator fastening	35 cm cable, wireless connection (option)***
Display	5.7" colour, resistive touch screen
Keypad	8 keys
Protection class	IP 43
Databases	19
Touch-free operation	2 programmable proximity sensors
USB-A	2
RS 232	2
Wireless connection	802.11 b/g/n
Ethernet	10 / 100 Mbit
IN/OUT	4 × IN, 4 × OUT
Power supply	13.5 ÷ 16 V DC
Power consumption	10 W
Operating temperature	+10 ÷ +40 °C
Atmospheric humidity****	40 ÷ 80%
Transport and storage temperature	-10 ÷ +50 °C
Weighing pan dimensions	ø 26 mm
Weighing chamber dimensions	ø 90 × 90 mm
Weighing device dimensions	411 × 163 × 183 mm
Net weight	9.1 kg
Gross weight	16.6 kg
Packaging dimensions	660 × 660 × 455 mm

Rt net weight

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

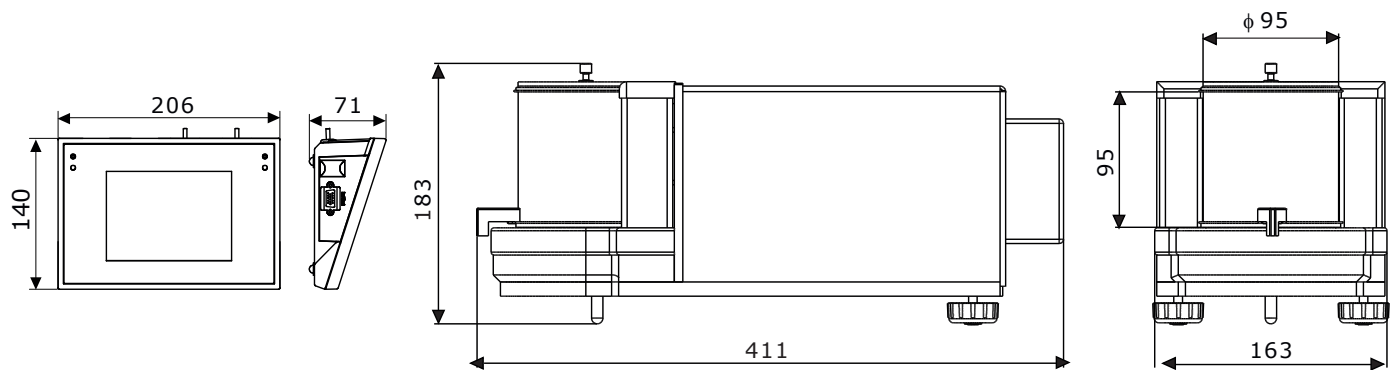
** parameter determined in the following temperature range: +15 ÷ +35 °C

*** optional solution on purchase order

**** non-condensing conditions

Values of parameters provided in Technical Specifications table have been determined under stable laboratory conditions. Due to ambient conditions impact or/and balance setup, the above parameters may vary for environments other than laboratory.

Dimensions



Accessories

Weighing Tables

- granite antivibration table
- antivibration tables for laboratory balances
- professional weighing table
- workstation for pipettes calibration

Professional Weighing

- MYA adapter for pipettes calibration

Ambient Conditions

- DJ-05 anti-static ionizer
- THB-Y ambient conditions module

Peripheral Devices

- EPSON dot matrix printer
- barcode scanners
- WD-5/3Y LCD display
- ambient conditions modules

Cables, Converters

- P0108: RS 232 cable (balance-computer)
- P0167: RS 232 cable (balance-computer)
- P0151: RS 232 cable (balance - Epson printer)

Electrical accessories

- ZR-02 power supply with battery

Dedicated Software

LabView Driver

- operation of RADWAG balances in LabView environment

R-LAB

- collecting measurements
- carrying out statistical analysis of measurements
- customized graphs and reports

Pipettes

- determining measurement errors of pipettes volume
- accordance with ISO 8655
- calibration of single-channel and multi-channel pipettes
- calibration of fixed-volume and variable-volume pipettes

RADWAG Remote Desktop

- remote operation via computer, mobile phone or tablet
- sending text messages
- version for Windows 10 and Android systems