CE | ISO 9001

New generation of ultra-microbalances UYA 3Y is designed to meet the high requirements for mass determination with highest accuracy of 0,1 µg and 2 g capacity.
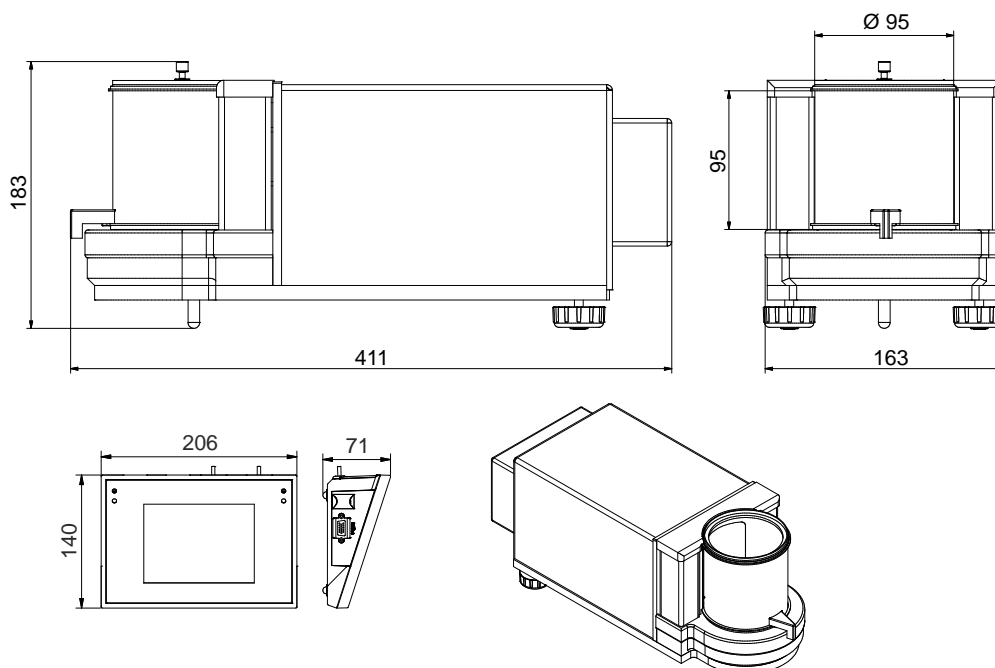
Measurement reliability and accuracy is ensured by internal adjustment/ calibration system.

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 eliminates vibration transfer.

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
- Air buoyancy compensation
- Autotest
- Labelling
- GLP procedures
- Formulas

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:

	UYA 2.3Y
	-
Max load	2 g
Min load	0,01 mg
Readability	0,1 µg
Repeatability	0,4 µg (0,2g÷1g)
	0,6 µg (1g÷2g)
Linearity	±1,5 µg
Eccentric load deviation	1,5 µg
Sensitivity offset	$1,5 \times 10^{-6} \times Rt$
Sensitivity temperature drift	$1 \times 10^{-6} / °C \times Rt$
Sensitivitytime drift	$1 \times 10^{-6} / Rok \times Rt$
Minimum weight (USP)	0,9 mg
Minimum weight (U = 1%, k = 2)	0,08 mg
Pan size	ø 16 mm
Weighing chamber dimensions	ø 90 × 90 mm
Stabilization time	10-20 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	+18 ° ÷ +30 °C
Change rate of working temperatures	±0,3°C/1h (±0,5°C / 12h)
Relative air humidity **	40% ÷ 80%
Change rate of atmospheric humidity	40% ÷ 60% (±5% / 4h)

Rt - net weight
** - Non-condensing conditions

Additional equipment:

Anti vibration table for microbalance	Ambient conditions module
Profesional weighing table	Additional LCD display "WD-5"
Impact Epson printer	PC keyboard
Label printer Citizen	Power adapter with battery and charger ZR-02
Anti draft shield for microbalances	Mass standard
"Tare" and "Print" foot button	Antistatic cable
"PW-WIN" computer software	Bar code scanner
"RAD-KEY" computer software	Cable RS 232 (balance - computer) "P0108"
"REC-FS" computer software	Cable RS 232 (balance - Epson, Citizen printer) "P0151"
Antistatic ionizer DJ-03	

RADWAG BALANCES & SCALES
ADVANCED WEIGHNIG TECHNOLOGIES

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