

UYA 3Y ULTRA-MICROBALANCES



release date 05-03-2015



UYA 2.3Y



UYA 2.3Y.F

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.

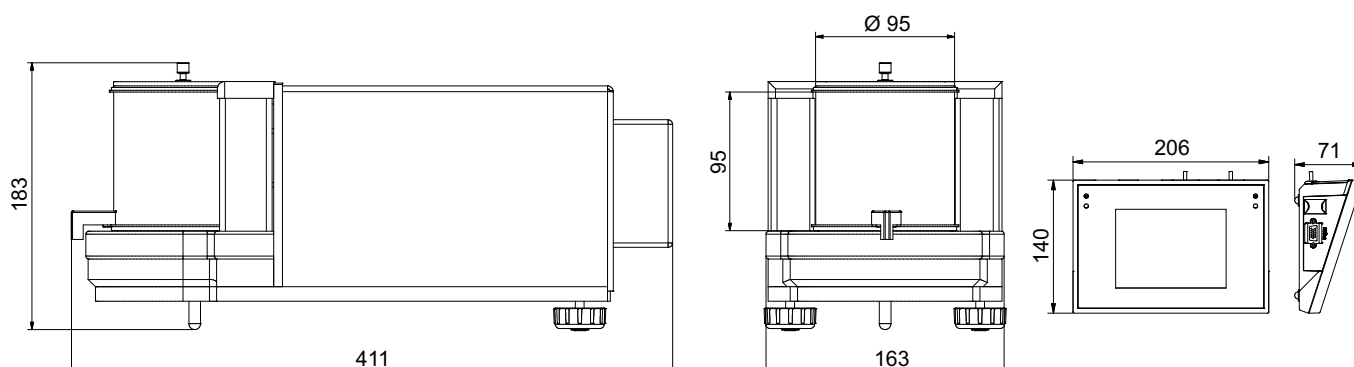
All the elements of a microbalance are made of glass and steel which eliminates the influence of electrostatics on weighing process.

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

3Y SERIES MICROBALANCES - THE NOVELTIES

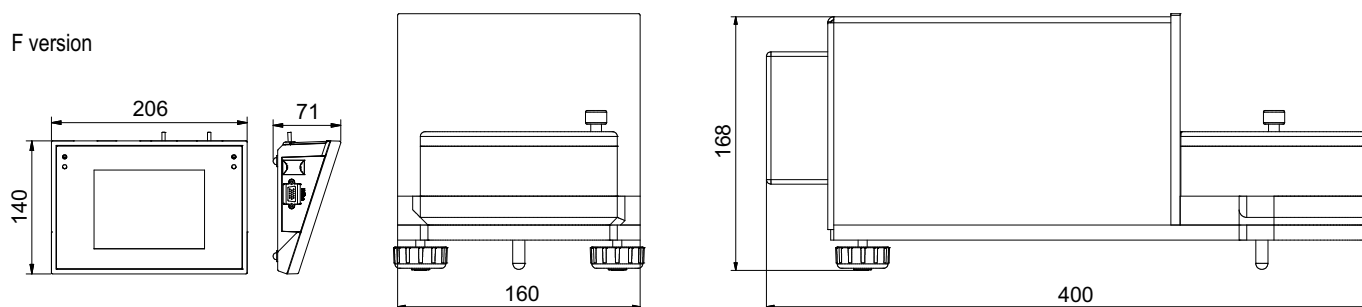
- ✓ Higher resolution – up to 600 million intervals
- ✓ More precise temperature measurement
- ✓ Brand new signal filtering algorithm, enabling selective tuning to actual interfering frequency.
- ✓ Modernized mechanics design - Susceptibility to air drafts reduced six times
- ✓ Cooperation with THB module
- ✓ 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:



Dimensions:

F version



Technical specification:

	UYA 2.3Y	UYA 2.3Y.F
Max load	2 g	
Min load	0,01 mg	
Readability	0,1 µg	
Repeatability	0,4 µg (0,2g < Rt ≤ 1g) 0,6 µg (1g < Rt ≤ 2g)	
Linearity	±1,5 µg	
Eccentric load deviation	1,5 µg	
Sensitivity offset	$1,5 \times 10^{-6} \times Rt$	
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times Rt$	
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times Rt$	
Minimum weight (USP)	0,9 mg	
Minimum weight (U = 1%, k = 2)	0,08 mg	
Pan size	Ø 16 mm	Ø 50 mm
Weighing chamber dimensions	Ø 90 × 90 mm	Ø 118 × 35 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	+10 ° ÷ +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	