UYA 3Y ULTRA-MICROBALANCES

UYA 3Y is a series of ultra-microbalances 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 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 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

GLP procedures

Technical data:

	UYA 2.3Y
Max load	2 g
Min load	0,01 mg
Readability	0,1 µg
Repeatability	0,3 µg (to 0,2g) 0,4 µg (0,2÷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)	0,06 mg
Pan size	ø 16 mm
Weighing chamber dimensions	ø 90 × 90 mm
Stabilization time	10-20 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
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

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:

Anti vibration table for microbalance	Ambient conditions module
Profesional weighing table	Additional LCD display "WD-3/01/Y"
Kafka thermal printer	PC keyboard
Impact Epson printer	Power adapter with battery and charger ZR-02
Label printer Citizen	Mass standard
Anti draft shield for microbalances	Antistatic cable
"Tare" and "Print" foot button	Bar code scanner
"PW-WIN" computer software	Cable RS 232 (balance - Kafka printer) "P0136"
"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	