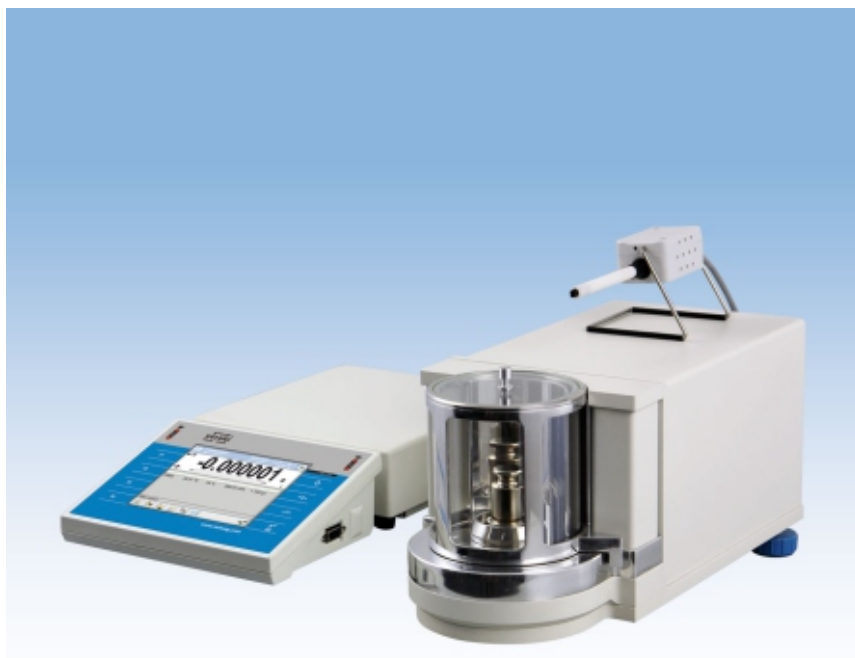


MASS COMPARATOR UYA 3Y.KO



The newest line of Radwag mass comparators enables adjusting mass standards and weights according to the OIML recommendations (R-111) from 1mg to 5 g in class E1 and lower.

The comparators are used both for ensuring traceability of mass measurements, and verification of weights in accordance with the principles of legal metrology. RADWAG Mass Comparators have gained recognition among Accredited Calibration Laboratories in many countries.







Mass comparators UYA 3Y.KO series, comprise two components. One of them holds the electronic module, and the other precise mechanical measuring system. Such solution guarantees elimination of temperature influence (warming of electronic elements) on the comparator's indications. The comparators feature an aesthetic, cylindrically shaped weighing chamber with glass draft shield and automatic opening door system. All elements of the weighing chamber are manufactured from glass or metal to minimize the influence of electrostatic charges on the measuring result.

Technical data:

UYA 5.3Y.KO

Max capacity	6 g
Reading interval	0,0001 mg
Repeatability *	0,0003 mg
Electric compensation range	0 ÷ 6 g
Supplementary weights (on request)	none
Stabilization time	30 s
Adjustment	internal
Power supply	13,5 ÷ 16 V DC / 2,1 A
Pan size	ø 16
Weighing unit dimensions	370 × 160 × 173 mm
Control unit dimensions	360 × 208 × 74 mm
Net weight / Gross weight	10,2 / 14,7kg
Ambient conditions:	
Working temperature	+15°C ÷ +30°C
Change rate of working temperature	± 0,5°C/12h (± 0,3°C/h)
Atmospheric humidity	40% ÷ 60%
Change rate of atmospheric humidity	± 5% / 4h

* Repeatability expressed as standard deviation from 6 measuring cycles ABBA (according to OIML R111) in stable laboratory operating conditions.

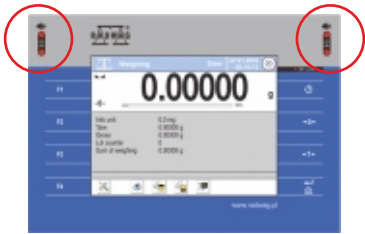
 E1	UYA 5.3Y.KO
 E2	
 F1	
 F2	
 M1	
 M2	
1 mg	
2 mg	
5 mg	
10 mg	
20 mg	
50 mg	
100 mg	
200 mg	
500 mg	
1 g	
2 g	
5 g	
10 g	
20 g	
50 g	
100 g	
200 g	
500 g	
1 kg	
2 kg	
5 kg	
10 kg	
20 kg	
50 kg	
100 kg	
200 kg	
500 kg	
1000 kg	

Additional equipment:

External adjustment weight

PC software for network management of calibration process

Temperature and humidity sensors installed inside the weighing chamber



Infrared proximity sensors

Optional functions:

- PRINT function
- TARE function
- sensor's sensitivity adjustment



Data exchange through USB storage device

- software update
- export/import weighing data
- export/import databases and settings



Communication interface

- Ethernet 10/100 Mbps
- RS 232
- 2×USB 2.0
- 4×digital input / output

