

MASS COMPARATOR MYA 21/KO



Mass comparators are devices designed for determining the differences between masses of calibration weight (B) and reference weight (A). Comparators are most often used in measuring laboratories for calibration of weights and masses.

Radwag offers comparators designed for calibration of weights and masses class E1, E2, F1, F2, M1 according to OIML R111, with masses from 1mg to 20g with readability 1 µg.

Comparator MYA 21/KO consists of 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 indications of comparator.

Comparator is equipped with big graphic display with user friendly menu. In order to guarantee proper accuracy of measurements, a half-automatic system of external calibration with calibration weight has been applied. Comparator is equipped with esthetic, cylindrical shaped weighing chamber with glass draught shield. All elements of the weighing chamber are manufactured from glass or metal which minimalizes the influence of electrostatic charges on weighing result. Comparator is equipped with user friendly menu. The software allows for composition of GLP procedures as standard printout or as freely definable non-standard printout. Each comparator is equipped with Ethernet, RS 232, 2×USB and possibility of connecting additional display as standard.

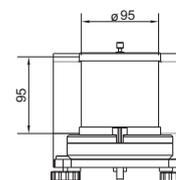
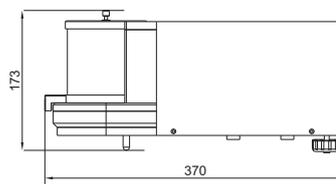
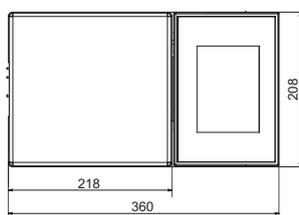
Electronic level indicator

- ALARM function
- graphic level indicator
- programmable acceptable tilts



Data exchange through USB storage devices

- updating balance software
- exporting weighing data
- exporting/importing databases
- exporting/importing balance settings
- exchanging data between balances



Comparator is in high degree influenced by external conditions like temperature, breeze and vibrations. For the purpose of proper operation conditions, it is necessary to use the comparator in a room with very precise temperature control (laminar air-conditioning) and place of usage should be free from any vibrations. Comparators do not undergo Legal Metrological Control. Main criterion if evaluation is repeatability. The software is equipped with application for estimating average deviation by two methods: ABA or ABBA, for maximally 20 repetitions. After running the procedure, the software generates the report with results.

Technical data:

	MYA 21/KO
Maximal capacity	21 g
Readability	1 µg
Range of electromagnetic compensation	0...21 g
Repeatability*	1 µg (for Max=20mg), 3 µg (for Max=20mg-5g), 5 µg (for Max=5g-20g)
Stabilization time	10...20 s
Calibration	internal
Pan size	ø 16mm
Weighing chamber dimensions	ø 90×90mm
Calibration range according to OIML R111	1mg-20mg (E1), 1mg-20g (E2+M2)
Environmental conditions	
Working temperature	+10 ÷ +30°C
Change rate of working temperatures	±0,5°C/24h
Humidity	40÷70%

* Repeatability is expressed as a standard deviation of six ABBA cycles (according to R111 OIM) in stable laboratory conditions.

RADWAG USA L.L.C.

19599 NE 10th Ave., Bay G, • North Miami Beach, FL, 33179 • USA • Tel: 1-305-651-3522 • Fax: 1-305-651-3523 • e-mail: office@radwagusa.com • website: www.radwagusa.com