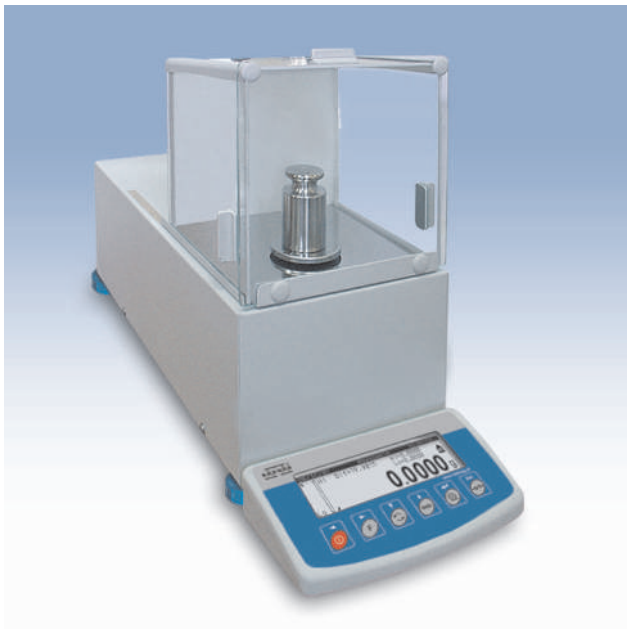
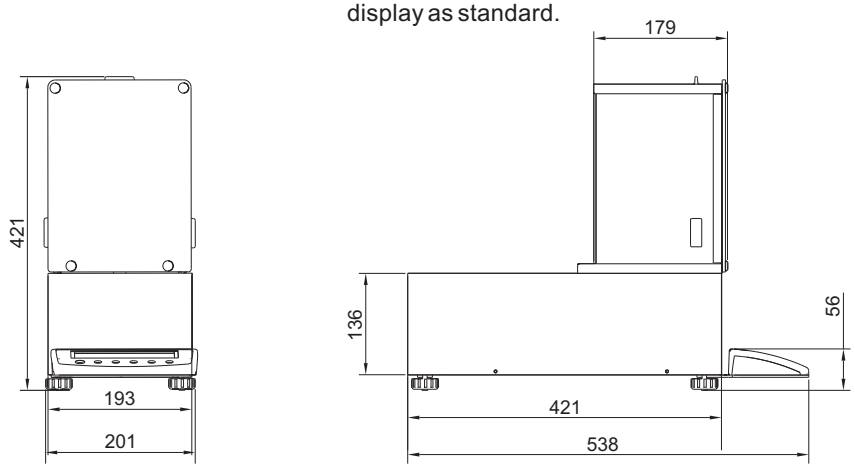
WAX 210-5100 MASS COMPARATORS



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, ranging from 100g to 5000g with readability from 0.01mg to 1mg.
Main part of the comparator is precise mechanical measuring system which is separated from electronic circuits. Such solution guarantees elimination of temperature influence (warming of electronic elements) on the indications of comparator.
Comparator is equipped with big graphic backlit display with user friendly menu in Polish and English language 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 weighing chamber with glass anti-draught protection. 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 RS 232, PS/2 output and possibility of connecting additional display as standard.



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:

	WAX 210/KO	WAX 510/KO	WAX 2100/KO	WAX 5100/KO
Maximal capacity	210 g	510 g	2100 g	5100 g
Readability	0,01 mg	0,1 mg	0,1 mg	1 mg
Range of electromagnetic compensation	0...20 g	0...20 g	0...200 g	0...200 g
Repeatability*	0,01 mg	0,1 mg	0,1 mg	0,5 mg
Stabilization time	10...20 s	10...20 s	2...10 s	2...10 s
Calibration	external			
Pan size	ø 35mm	ø 45mm	ø 85mm	ø 120mm
Weighing chamber dimensions	160×172×210mm	230×172×210mm	230×172×210mm	230×172×210mm
Calibration range according to OIML R111	50g-200g (E1) 50g-200g (E2÷M2)	500g (E1) 200g-500g (E2) 50-500g (F1÷M2)	1kg-2kg (E1) 500g-2kg (E2÷M2)	5kg (E1) 1kg-5kg (E2÷M1)
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.

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