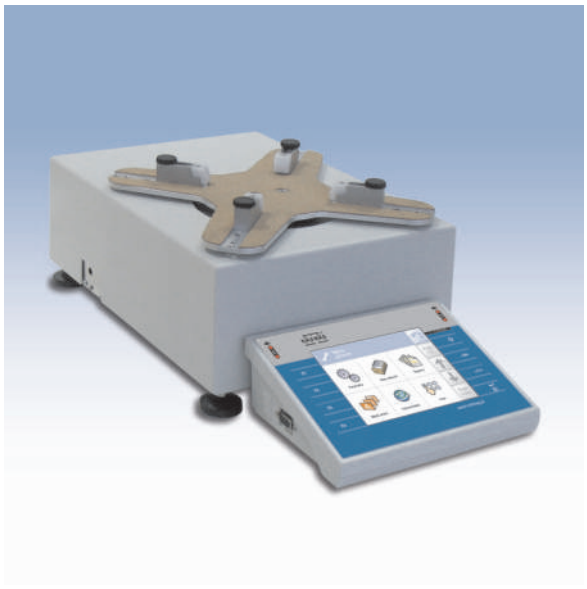
APP/Y MASS COMPARATOR



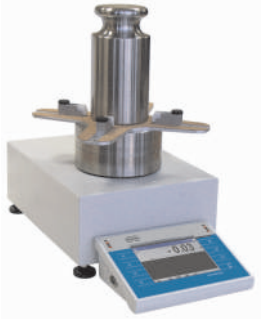
Mass comparators are devices specially designer for determining the differences between the weight of checked standard mass (B) and weight of reference standard mass (A). Mass comparators are most often applicable in measuring laboratories, where calibration of weights and standard masses is performed. Radwag includes in its offer mass comparators for calibration of weights and standard masses classes: F2, M1 according to OIML R111, ranging from 5kg to 20kg with readability 10mg. Mass comparator series APP/Y is a compact housing with precise measuring set.

Mass comparator series APP/Y is equipped with big, backlit, graphic display, and user menu operating in Polish and English. In order to assure highest measuring accuracy, mass comparator has semi-automatic adjusting system with external standard mass. Weighing pan of APP/Y mass comparator is manufactured in stainless steel technology, it is resistant against scratching, and easy to keep clean. All elements of mass comparator series APP/Y are made from metal, which eliminates the influence of electrostatic charges on weighing process.

Mass comparator is equipped with user friendly menu allowing for generation of GLP procedures as a standard printout or freely definable user printout. Mass comparator is equipped with RS 232 output, 2×USB, Ethernet, 2 in/2 out.

Option of detaching weighing indicator from weighing chamber

Comparison method of a standard with nominal mass 20kg



Comparison method of a standard with nominal mass 10kg

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 method ABBA, for maximally 6 repetitions. After running the procedure, the software generates the report with results.

Technical data:

	APP 20/KO/Y
Maximal capacity	20 kg
Readability	10 mg
Range of electromagnetic compensation	0...1000 g
Repeatability*	2 mg
Stabilization time	3-4 s
Calibration	external
Pan size	ø 230mm
Calibration range according to OIML R111	10kg-20kg (F1), 5kg-20kg (F2÷M1)
Environmental conditions	
Working temperature	+15° ÷ +35°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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