

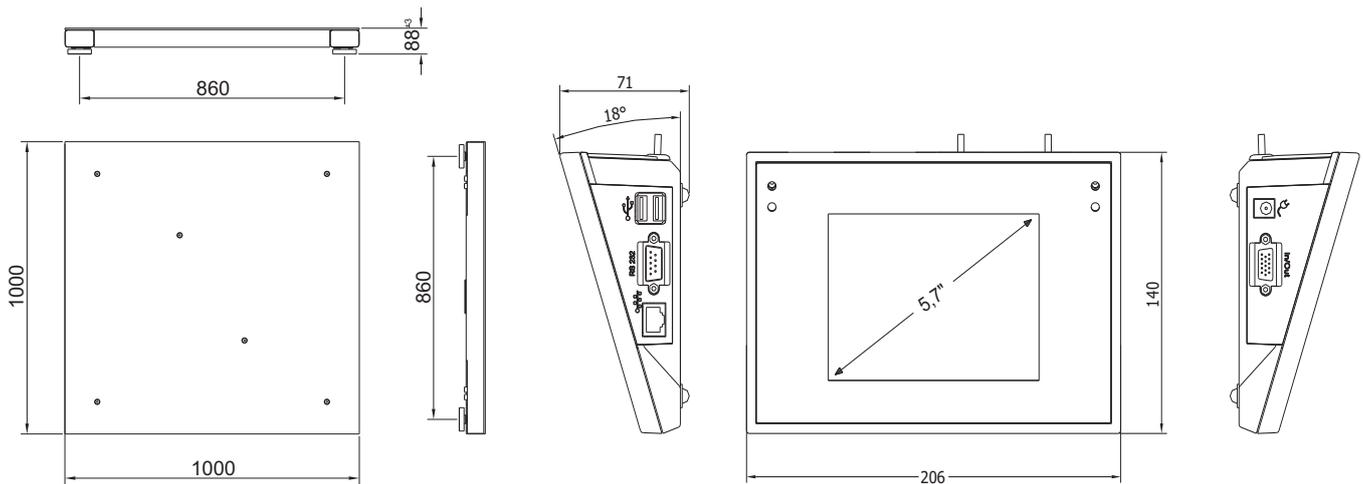
WPY MASS COMPARATOR



Mass comparators are devices specially designed 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 class M1 according to OIML R111, ranging from 500kg, 1000kg and 2000kg with readability 5g, 10g or 20g.

Mass comparator series WPY 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 platform is manufactured in mild steel technology. It is resistant against scratching and easy to keep clean. 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 and Ethernet.



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 of 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:

	WPY 510/KO	WPY 1100/KO	WPY 2100/KO
Maximal capacity	510 kg	1100 kg	2100 kg
Readability	5 g	10 g	20 g
Range of electromagnetic compensation	0...500 kg	0...1000 kg	0...2000 kg
Repeatability*	5 g	10 g	20 g
Stabilization time		10-20s	
Calibration		external	
Pan size	1000×1000mm	1000×1000mm	1200×1500mm
Calibration range according to OIML R111	500 kg (M1+M3)	1000 kg (M1+M3)	2000 kg (M1+M3)
Environmental conditions			
Working temperature		+10° ÷ +35°C	
Change rate of working temperatures		±2°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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