

MASS COMPARATOR PS 3Y.KB



The newest line of Radwag Mass Comparators enables adjusting mass standards and weights according to the OIML recommendations (R-111) from 500 g to 1 kg for F2 class 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 PS 3Y.KB series comprise two components. One of them holds the electronic module, and the other precise mechanical measuring system.

The comparators feature an aesthetic, large weighing chamber creating a glass draft shield with opened side and top door. All elements of the weighing chamber are manufactured from glass or metal to minimize the influence of electrostatic charges on weighing result. The PS 3Y.KB series features a intuitive menu supporting a user in instrument operation.

	PS 1.3Y.KB
	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

Technical data:

PS 1.3Y.KB

Max capacity	1,05 kg
Reading interval	1 mg
Repeatability *	1 mg
Electric compensation range	0 ÷ 1050 g
Supplementary weights (on request)	none
Stabilization time	2 s
Adjustment	internal
Power supply	13,5 ÷ 16 V DC / 2,1 A
Pan size	Ø 83 mm
Weighing unit dimensions	287 × 212 × 350 mm
Control unit dimensions	206 × 140 × 70 mm
Net weight / Gross weight	6,1kg / 10,1kg
Ambient conditions:	
Working temperatue	+10 °C ÷ +40 °C
Change rate of working temperature	± 2 °C / 12 h
Atmospheric humidity	30 % ÷ 70 %
Change rate of atmospheric humidity	± 10 % / 4 h

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

Additional equipment:

External adjustment weight

PC software for network management of calibration process

Temperature and humidity sensors installed inside the weighing chamber