MASS COMPARATOR WAY 3Y.KO

The newest line of Radwag Mass Comparators enables adjusting mass standards and weights according to the OIML recommendations (R-111) from 1 mg to 5 kg for E1 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 WAY 3Y.KO series similarly to other models, comprise two components. One of them holds the electronic module, and the other precise mechanical measuring system.
The WAY 3Y.KO series comes standard with an aesthetic, large weighing chamber with glass anti-draft shield. All elements of the weighing chamber are manufactured from glass or metal to minimize the influence of electrostatic charges on weighing result. Mass comparator WAY 3Y.KO series features a intuitive menu supporting a user in instrument operation.

Technical data:

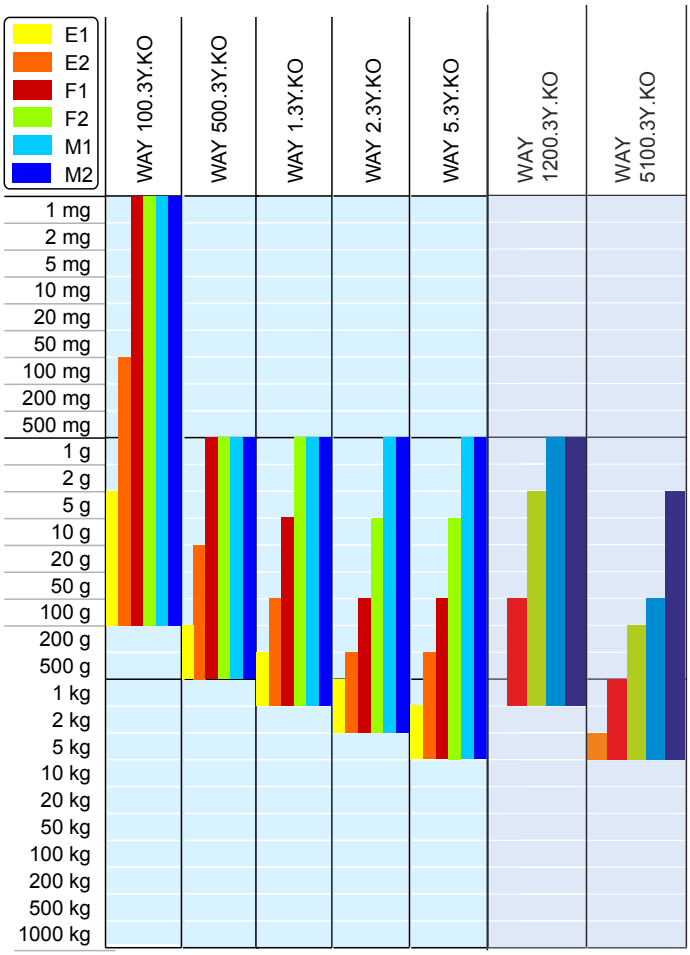
	WAY 100.3Y.KO	WAY 500.3Y.KO	WAY 1.3Y.KO	WAY 2.3Y.KO	WAY 5.3Y.KO
Max capacity	110 g	520 g	1,02 kg	2,3 kg	5,05 kg
Reading interval	0,001 mg	0,01 mg	0,01 mg	0,1 mg	0,1 mg
Repeatability *	0,003 mg	0,02 mg	0,035 mg	0,1 mg	0,2 mg
Electric compensation range	-1 g ÷ +10 g	-10 g ÷ +20 g	-10 g ÷ +20 g	-50 g ÷ +300 g	-10 g ÷ +50 g
Supplementary weights internal	50 g, 30 g, 10 g	300 g, 100 g, 50 g	500 g, 300 g, 100 g	1 kg, 2×500 g,	3 kg, 1 kg
Supplementary weights external	10 g	30 g, 2×10 g	50 g; 30 g, 2×10 g	none	500 g, 300 g, 100 g, 50 g, 30 g, 2×10 g
Stabilization time	30 s	30 s	30 s	10 s	10 s
Adjustment	external				
Power supply	13,5 ÷ 16 V DC / 2,1 A				
Pan size	ø 30 mm	ø 50 mm	ø 60 mm	ø 70 mm	ø 90 mm
Weighing unit dimensions	385 × 215 × 315 mm				560 × 340 × 550 mm
Control unit dimensions	206 × 140 × 70 mm				
Net weight/Gross weight	15 kg / 31 kg	15,5 kg / 32 kg	16 kg / 32 kg	17 kg / 33 kg	20 kg / 36 kg
Ambient conditions:					
Working temperatue	+15°C ÷ +30°C				
Change rate of working temperature	± 0,5°C/12h (± 0,3°C/h)				
Atmospheric humidity	40% ÷ 60%				
Change rate of atmospheric humidity	± 5% / 4h				

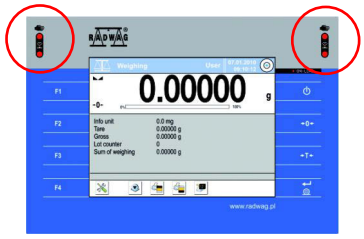
* Repeatability expressed as standard deviation from 6 measuring cycles ABBA (according to OIML R111) in stable laboratory operating conditions.

Technical data:

	WAY 1200.3Y.KO	WAY 5100.3Y.KO
Maximal capacity	1200 g	5100 g
Reading interval	0,1 mg	1 mg
Repeatability*	<= 0,1 mg	<= 0,8 mg
Electric compensation range	0 ÷ 1200 g	0 ÷ 5100 g
Supplementary weights	none	
Stabilization time	10 s	
Adjustment	external	
Power supply	13,5 ÷ 16 V DC / 2,1 A	
Pan size	Ø 80	Ø 100
Weighing unit dimensions	370 × 280 × 197 mm	
Control unit dimensions	206 × 140 × 70 mm	
Net weight/Gross weight	14,5 / 30 kg	
Packaging size	850 × 750 × 560 mm	
Ambient conditions:		
Operating temperature	+10° ÷ +40°C	
Change rate of operating temperature	± 2°C / 12h	
Air relative humidity	30% ÷ 70%	
Change rate of relative air humidity	±5% / 4h	
Sensitivity drift	2ppm/°C in temperature +15° ÷ +35°C	

* Repeatability expressed as standard deviation from 6 measuring cycles (acc. R111 OIML) in stable laboratory operating conditions.





Infrared proximity sensors

Optional functions:
- PRINT function
- TARE function
- sensor's sensitivity adjustment

Data exchange through USB data storage device

- software update
- exporting weighing data
- export/import databases and settings

Communication interface

- Ethernet 10/100Mbps
- RS 232
- 2×USB 2.0
- 4×digital input / output

Additional equipment:

Anti-vibration table for laboratory balances	THB/R ambient conditions monitor
Kafka thermal printer	Additional LCD display "WD-5/3Y"
Epson impact printer	PC USB keyboard
"Tare" or "Print" foot button	Antistatic cable Pa1
"PW-WIN" computer software	Bar code scanner
"RAD-KEY" computer software	Cable RS 232 (balance - Kafka printer) "P0136"
"RAD-CAL" computer software	Cable RS 232 (balance - computer) "P0108"
THB 2 ambient conditions module	Cable RS 232 (balance - Epson, Citizen printer) "P0151"