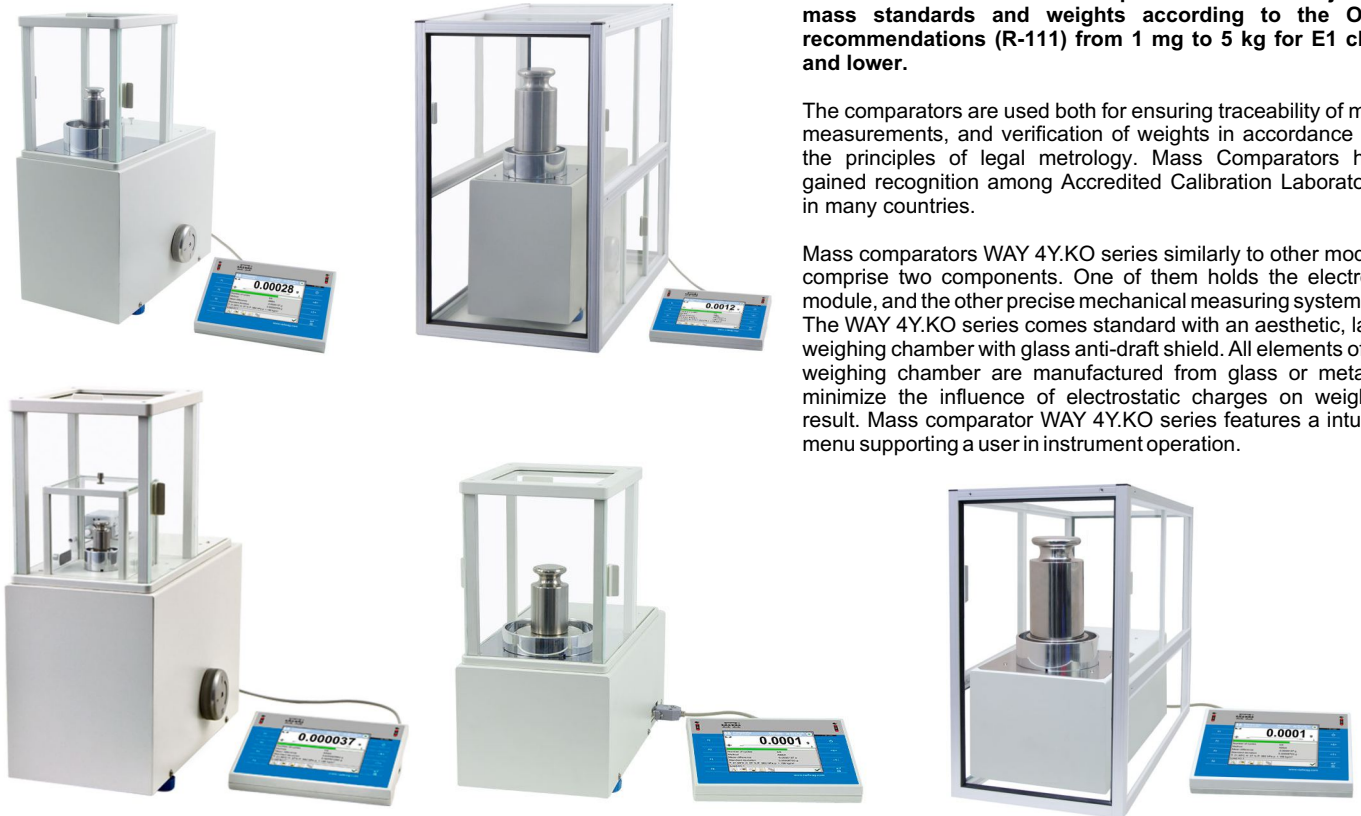


MASS COMPARATOR WAY 4Y.KO



The newest line of 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. Mass Comparators have gained recognition among Accredited Calibration Laboratories in many countries.

Mass comparators WAY 4Y.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 4Y.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 4Y.KO series features a intuitive menu supporting a user in instrument operation.

Technical specification:

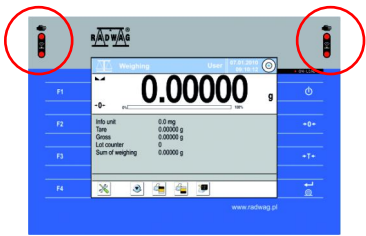
	WAY 100.4Y.KO	WAY 500.4Y.KO	WAY 1.4Y.KO	WAY 2.4Y.KO	WAY 5.4Y.KO
E1	5 g ÷ 100 g	200 g ÷ 500 g	500 g ÷ 1 kg	1 kg ÷ 2 kg	2 kg ÷ 5 kg
E2	100 mg ÷ 100 g	10 g ÷ 500 g	100 g ÷ 1 kg	500 g ÷ 2 kg	500 g ÷ 5 kg
F1	1 mg ÷ 100 g	1 g ÷ 500 g	10 g ÷ 1 kg	100 g ÷ 2 kg	100 g ÷ 5 kg
F2	1 mg ÷ 100 g	1 g ÷ 500 g	1 g ÷ 1 kg	10 g ÷ 2 kg	10 g ÷ 5 kg
M1	1 mg ÷ 100 g	1 g ÷ 500 g	1 g ÷ 1 kg	1 g ÷ 2 kg	1 g ÷ 5 kg
M2	1 mg ÷ 100 g	1 g ÷ 500 g	1 g ÷ 1 kg	1 g ÷ 2 kg	1 g ÷ 5 kg
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, 2x500 g,	3 kg, 1 kg
Supplementary weights external	10 g	30 g, 2x10 g	50 g; 30 g, 2x10 g	none	500 g, 300 g, 100 g, 50 g, 30 g, 2x10 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 × 195 × 500 mm			560 × 340 × 565 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 temperature	+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 specification:

	WAY 1200.4Y.KO	WAY 5100.4Y.KO
E1	-	-
E2	500 g ÷ 1 kg	5 kg
F1	100 g ÷ 1 kg	1 kg ÷ 5 kg
F2	5 g ÷ 1 kg	200 g ÷ 5 kg
M1	1 g ÷ 1 kg	100 g ÷ 5 kg
M2	1 g ÷ 1 kg	5 g ÷ 5 kg
Max capacity	1200 g	5100 g
Reading interval	0,1 mg	1 mg
Repeatability *	0,1 mg	0,8 mg
Stabilization time	10 s	10 s
Pan size	ø 80 mm	ø 100 mm
Electric compensation range	0 ÷ 1200 g	0 g ÷ 5100 g
Adjustment	external	external
Supplementary weights internal	none	none
Supplementary weights external	none	none
Working temperature	+10°C ÷ +40°C	
Change rate of working temperature	± 0,2°C/12h	
Atmospheric humidity	30% ÷ 70%	
Change rate of atmospheric humidity	± 5% / 4h	
Power supply	110 ÷ 230 V AC / 50 ÷ 60 Hz / 13,5 ÷ 16 V DC / 1,1 A	
Weighing unit dimensions	385 × 195 × 380 mm	
Control unit dimensions	206 × 140 × 70 mm	
Draft shield cover dimensions	560 × 340 × 460 mm	
Comparator net/gross weight	15 kg / 30 kg	
Draft shield cover net/gross weight	12 kg / 21 kg	
Comparator packaging size	750 × 860 × 560 mm	
Draft shield packaging dimensions	820 × 630 × 740 mm	

* Repeatability expressed as standard deviation from 6 measuring cycles ABBA (according to OIML R111) 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
Epson impact printer	Additional LCD display "WD-5/4Y"
"Tare" or "Print" foot button	PC USB keyboard
"PW-WIN" computer software	Antistatic cable Pa1
"RAD-KEY" computer software	Bar code scanner
"RAD-CAL" computer software	Cable RS 232 (balance - computer) "P0108"
THB 3 ambient conditions module	Cable RS 232 (balance - Epson, Citizen printer) "P0151"

PARTNER CORPORATION

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