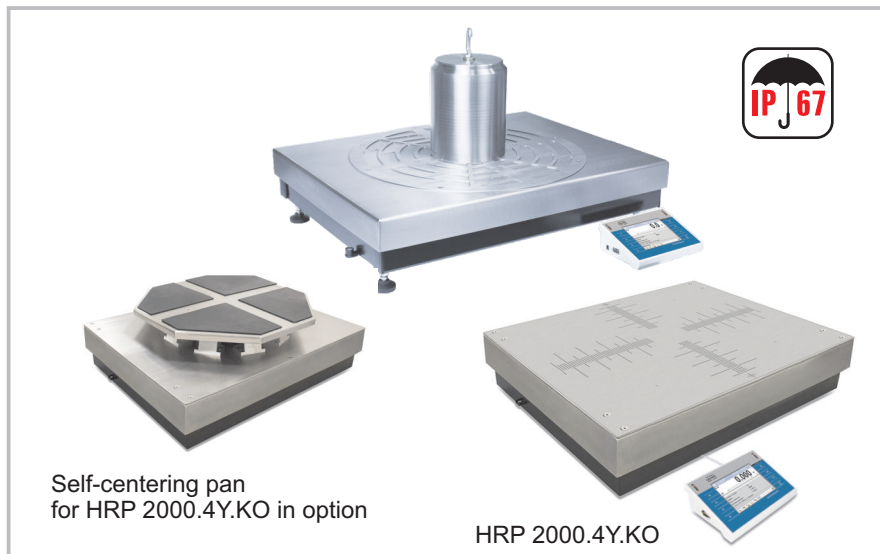


HRP 4Y.KO MASS COMPARATOR



The newest line of Mass Comparators enables adjusting mass standards and weights according to the OIML recommendations (R-111) from 200 kg to 2000 kg for F2 class and lower.

The comparators are used both for ensuring traceability of mass measurements, and verification of weights in accordance with legal metrology. Mass Comparators have gained recognition among Accredited Calibration Laboratories, in many countries.

HRP 4Y.KO series comparators comprise two components, professional weighing platform (a new mechanical design of electromagnetic mechanism housed within a tight steel casing) and PUE 7.1 terminal.

The weighing platform made of steel features centring rings enabling precise positioning of the weights. The comparator features intuitive and user friendly menu.

Self-centering pan for HRP 2000.4Y.KO in option

HRP 2000.4Y.KO

Technical specification:

	HRP 200.4Y.KO	HRP 500.4Y.KO	HRP 1000.4Y.KO	HRP 2000.4Y.KO	HRP 2000.1.4Y.KO
E1	-	-	-	-	-
E2	-	-	-	-	-
F1	-	-	-	-	-
F2	100 kg ÷ 200 kg	200 kg ÷ 500 kg	500 kg ÷ 1000 kg	1000 kg ÷ 2000 kg	-
M1	50 kg ÷ 200 kg	100 kg ÷ 500 kg	200 kg ÷ 1000 kg	500 kg ÷ 2000 kg	500 kg ÷ 2000 kg
M2	20 kg ÷ 200 kg	50 kg ÷ 500 kg	100 kg ÷ 1000 kg	200 kg ÷ 2000 kg	500 kg ÷ 2000 kg
Max capacity	210 kg	510 kg	1050 kg	2100 kg	2100 kg
Reading interval d	0,2 g	0,5 g	1 g	1 g	5 g
* Repeatability at nominal load	0,6 g (200 kg)	1,6 g (500 kg)	2,5 g (1000 kg)	5 g (2000 kg)	10 g (2000 kg)
* Repeatability at low load	0,5 g (50 kg)	0,5 g (50 kg)	1,5 g (100 kg)	2,5 g (200 kg)	5 g (500 kg)
Electric compensation range	0 ÷ 210 kg	0 ÷ 510 kg	0 ÷ 1050 kg	0 ÷ 2100 kg	0 ÷ 2100 kg
Eccentricity (tested load)	2 d / 1 mm	2 d / 1 mm	1 d / 1 mm	1 d / 1 mm	0,5 d / 1 mm
Stabilization time	10 s	10 s	10 s	10 s	10 s
Adjustment	external	external	external	external	external
Power supply	100 ÷ 240 V AC 50÷60 Hz				
Ambient conditions:					
Working temperature	+15° ÷ +30°C	+15° ÷ +30°C	+15° ÷ +30°C	(15 ÷ 30) °C	(15 ÷ 30) °C
Change rate of working temperature	±1°C / 12h	±1°C / 12h	±1°C / 12h	± 1 °C / 12 h	± 2 °C / 12 h
Atmospheric humidity	40% ÷ 60%	40% ÷ 60%	40% ÷ 60%	(40 ÷ 60) %	(40 ÷ 60) %
Change rate of atmospheric humidity	±5% / 4h	±5% / 4h	±5% / 4h	± 5 % / 4 h	± 10 % / 4 h
Dimensions					
Pan Size	800×600 mm	800×600 mm	1000×800 mm	1250×1000 mm	1250×1000 mm
Self-centering weighing pan dimensions	600×600 mm	600×600 mm	600×600 mm	920×920 mm	920×920 mm
Weighing unit dimensions without self-centering weighing pan	810×600×165 mm	810×600×165 mm	1010×800×182 mm	1250×1000×265 mm	1250×1000×265 mm
Weighing unit dimensions with self-centering weighing pan	810×600×260 mm	810×600×260 mm	1010×800×275 mm	1250×1000×430 mm	1250×1000×430 mm
Controlling device dimensions	206×140×70 mm	206×140×70 mm	206×140×70 mm	206×140×70 mm	206×140×70 mm
Net weight/gross weight	59 kg / 85 kg	59 kg / 85 kg	120 kg / 160 kg	300 kg / 425 kg	300 kg / 425 kg
Net weight/Gross weight with self-centering weighing pan	105 kg / 140 kg	105 kg / 140 kg	165 kg / 215 kg	530 kg / 665 kg	530 kg / 665 kg
Comparators packaging size without self-centering weighing pan	1000×800×310 mm	988×800×310 mm	1200×1000×440 mm	1500×1250×635 mm	1500×1250×635 mm
Comparators packaging size with self-centering weighing pan	1000×800×355 mm	988×800×355 mm	1200×1000×485 mm	1500×1200×735 mm	1500×1200×735 mm

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

PARTNER CORPORATION

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