

PRICE LIST 2018

LABORATORY
BALANCES



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Quick-Finder Laboratory Balances

Readability [d]	Weighing range [Max]	Model	Product code	M	Verification [e]	Weighing pan dimensions	Calibration	Page
0,0000001 g	2.1 g	UYA 2.4Y	WL-101-0074	Yes	1 mg	Ø 16 mm	internal	10
0,0000001 g	2.1 g	UYA 2.4Y.F	WL-101-0097	Yes	1 mg	Ø 50 mm	internal	10
0,0000001 g	6.1 g	UYA 6.4Y	WL-101-0138	Yes	1 mg	Ø 16 mm	internal	10
0,000001 g	2.1 g	MYA 2.4Y	WL-101-0071	Yes	1 mg	Ø 16 mm	internal	10
0,000001 g	0.8 g / 3 g	MYA 0.8/3.4Y	WL-101-1006	Yes	1 mg	Ø 16 & 60 mm	internal	10
0,000001 g	5.1 g	MYA 5.4Y	WL-101-0072	Yes	1 mg	Ø 26 mm	internal	10
0,000001 g	6 g	MYA 6.4Y		Yes	1 mg	Ø 26 mm	internal	10
0,000001 g	11 g	MYA 11.4Y	WL-101-0076	Yes	1 mg	Ø 26 mm	internal	10
0,000001 g	21 g	MYA 21.4Y	WL-101-0073	Yes	1 mg	Ø 26 mm	internal	10
0,000001 g	11 g / 52 g	MYA 11/52.4Y	WL-101-1009	Yes	1 mg	Ø 26 & 40 mm	internal	10
0,000001 g	31 g	MYA 31.4Y	WL-101-0126	Yes	1 mg	Ø 26 mm	internal	10
0,000001 g	52 g	MYA 52.4Y	WL-101-0134	Yes	1 mg	Ø 26 mm	internal	10
0,000001 g	21 g / 52 g	MYA 21/52.4Y	WL-101-1012	Yes	1 mg	Ø 26 & 40 mm	internal	10
0,000001 g	6.1 g	XA 6.4Y.M	WL-101-0157	Yes	1 mg	Ø 30 mm	internal	10
0,000001 g	6 g / 21 g	XA 6/21.4Y.M	WL-101-1024	Yes	1 mg	Ø 50 mm	internal	10
0,000001 g	6.1 g	XA 6.4Y.M.A	WL-101-0154	Yes	1 mg	Ø 30 mm	internal	11
0,000001 g	6 g / 21 g	XA 6/21.4Y.M.A	WL-101-1025	Yes	1 mg	Ø 50 mm	internal	11
0,000001 g	5.1 g	MYA 5.4Y.F	WL-101-0077	Yes	1 mg	Ø100 mm	internal	11
0,000001 g	5.1 g	MYA 5.4Y.F1	WL-101-0078	Yes	1 mg	Ø160 mm	internal	11
0,000001 g	21 g	MYA 21.4Y.P	WL-101-0075	Yes	1 mg	Ø 26 mm	internal	11
0,000002 g	21 g	XA 21.4Y.M	WL-101-0143	Yes	1 mg	Ø 50 mm	internal	10
0,000002 g	21 g / 51 g	XA 21/51.4Y.M	WL-101-1018	Yes	1 mg	Ø 50 mm	internal	10
0,000002 g	21 g	XA 21.4Y.M.A	WL-101-0148	Yes	1 mg	Ø 50 mm	internal	11
0,000002 g	21 g / 51 g	XA 21/51.4Y.M.A	WL-101-1021	Yes	1 mg	Ø 50 mm	internal	11
0,000005 g	51 g	XA 51.4Y.M	WL-101-0145	Yes	1 mg	Ø 50 mm	internal	10
0,000005 g	51 g	XA 51.4Y.M.A	WL-101-0149	Yes	1 mg	Ø 50 mm	internal	11
0,00001 g	52 g	XA 52.4Y	WL-107-0064	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	110 g	XA 110.4Y	WL-107-0052	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	210 g	XA 210.4Y	WL-107-0065	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	82 g / 220 g	XA 82/220.4Y	WL-107-1016	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	120 g / 250 g	XA 120/250.4Y	WL-107-1019	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	52 g	XA 52.4Y.A	WL-107-0058	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	110 g	XA 110.4Y.A	WL-107-0059	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	210 g	XA 210.4Y.A	WL-107-0057	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	82 g / 220 g	XA 82/220.4Y.A	WL-107-1017	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	120 g / 250 g	XA 120/250.4Y.A	WL-107-1020	Yes	1 mg	grid pan Ø 90 mm	internal	13
0,00001 g	52 g	XA 52.4Y.F	WL-107-0087	Yes	1 mg	210×254mm (+grid pan Ø90 mm)	internal	13
0,00001 g	110 g	XA 110.4Y.F	WL-107-0089	Yes	1 mg	210×254mm (+grid pan Ø90 mm)	internal	13
0,00001 g	60g / 220g	AS 60/220.X2	WL-104-1024	Yes	1 mg	grid pan Ø 90 mm	internal	24
0,00001 g	82g / 220g	AS 82/220.X2	WL-104-1020	Yes	1 mg	grid pan Ø 90 mm	internal	24
0,00001 g	60g / 220g	AS 60/220.R2	WL-104-1014	Yes	1 mg	grid pan Ø 90 mm	internal	27
0,00001 g	82g / 220g	AS 82/220.R2	WL-104-1018	Yes	1 mg	grid pan Ø 90 mm	internal	27
0,0001 g	220 g	XA 220.4Y	WL-107-0068	Yes	1 mg	Ø 100 mm	internal	13
0,0001 g	310 g	XA 310.4Y	WL-107-0069	Yes	1 mg	Ø 100 mm	internal	13
0,0001 g	220 g	XA 220.4Y.A	WL-107-0062	Yes	1 mg	Ø 100 mm	internal	13
0,0001 g	310 g	XA 310.4Y.A	WL-107-0063	Yes	1 mg	Ø 100 mm	internal	13
0,0001 g	220 g	AS 220.3Y	WL-104-0042	Yes	1 mg	Ø 100 mm	internal	14
0,0001 g	310 g	AS 310.3Y	WL-104-0043	Yes	1 mg	Ø 100 mm	internal	14
0,0001 g	510 g	AS 510.3Y	WL-104-0044	No	-	Ø 100 mm	internal	14
0,0001 g	220 g	AS 220.X2	WL-104-0079	Yes	1 mg	Ø 100 mm	internal	24
0,0001 g	310 g	AS 310.X2	WL-104-0080	Yes	1 mg	Ø 100 mm	internal	24
0,0001 g	220 g	AS 220.R2	WL-104-0047	Yes	1 mg	Ø 100 mm	internal	27
0,0001 g	310 g	AS 310.R2	WL-104-0050	Yes	1 mg	Ø 100 mm	internal	27
0,0001 g	110 g	AS 110.R1		No	-	Ø 100 mm	external	27
0,0001 g	160 g	AS 160.R1		No	-	Ø 100 mm	external	27
0,0001 g	220 g	AS 220.R1		No	-	Ø 100 mm	external	27
0,0001 g	60 g	MA 60.3Y	WL-304-0010	-	-	Ø 90 mm	-	33
0,0001 g	50 g	MA 50/1.X2.A	WL-306-0026	-	-	Ø 90 mm	-	33
0,0001 g	200 g	MA 200/1.X2.A	WL-306-0061	-	-	Ø 90 mm	-	33
0,0001 g	50 g	MA 50/1.R	WL-305-0002	-	-	Ø 90 mm	-	33
0,001 g	200/2000 g	PS 200/2000.3Y	WL-220-1018	Yes	10/100 mg	128×128 mm	internal	14
0,001 g	250 g	PS 250.3Y	WL-220-0029	Yes	10 mg	128×128 mm	internal	14
0,001 g	450 g	PS 450.3Y	WL-220-0030	Yes	10 mg	128×128 mm	internal	14
0,001 g	600 g	PS 600.3Y	WL-220-0027	Yes	10 mg	128×128 mm	internal	14
0,001 g	750 g	PS 750.3Y	WL-220-0031	Yes	10 mg	128×128 mm	internal	14
0,001 g	1000 g	PS 1000.3Y	WL-220-0028	Yes	10 mg	128×128 mm	internal	14
0,001 g	200/2000 g	PS 200/2000.X2	WL-218-1002	Yes	0.01g/0.1g	128×128 mm	internal	24
0,001 g	210 g	PS 210.X2	WL-218-0015	Yes	0.01 g	128×128 mm	internal	24
0,001 g	360 g	PS 360.X2	WL-218-0020	Yes	0.01 g	128×128 mm	internal	24
0,001 g	600 g	PS 600.X2	WL-218-0022	Yes	0.01 g	128×128 mm	internal	24
0,001 g	750 g	PS 750.X2	WL-218-0024	Yes	0.01 g	128×128 mm	internal	24
0,001 g	1010 g	PS 1000.X2	WL-218-0026	Yes	0.01 g	128×128 mm	internal	24
0,001 g	200/2000 g	PS 200/2000.R2	WL-212-1003	Yes	0.01/0.1 g	128×128 mm	internal	27
0,001 g	210 g	PS 210.R2	WL-212-0018	Yes	0.01 g	128×128 mm	internal	27
0,001 g	360 g	PS 360.R2	WL-212-0019	Yes	0.01 g	128×128 mm	internal	27
0,001 g	600 g	PS 600.R2	WL-212-0020	Yes	0.01 g	128×128 mm	internal	27
0,001 g	750 g	PS 750.R2	WL-212-0021	Yes	0.01 g	128×128 mm	internal	27
0,001 g	1010 g	PS 1000.R2	WL-212-0022	Yes	0.01 g	128×128 mm	internal	27
0,001 g	200/2000 g	PS 200/2000.R1	WL-213-1002	No	-	128×128 mm	external	27
0,001 g	510 g	PS 510.R1	WL-213-0021	No	-	128×128 mm	external	27
0,001 g	750 g	PS 750.R1	WL-213-0022	No	-	128×128 mm	external	27
0,001 g	1000 g	PS 1000.R1	WL-213-0023	No	-	128×128 mm	external	27

Readability [d]	Weighing range [Max]	Model	Product code	M	Verification [e]	Weighing pan dimensions	Calibration	Page
0,001 g	200/2000 g	PS 200/2000.R2.H	WL-221-1001	No	-	Ø 115 mm	internal	28
0,001 g	210 g	PS 210.R2.H	WL-221-0001	No	-	Ø 115 mm	internal	28
0,001 g	360 g	PS 360.R2.H	WL-221-0002	No	-	Ø 115 mm	internal	28
0,001 g	600 g	PS 600.R2.H	WL-221-0003	No	-	Ø 115 mm	internal	28
0,001 g	750 g	PS 750.R2.H	WL-221-0004	No	-	Ø 115 mm	internal	28
0,001 g	1010 g	PS 1000.R2.H	WL-221-0005	No	-	Ø 115 mm	internal	28
0,001 g	200 g	WLC 0.2.X2	WL-222-0001	No	-	Ø 100 mm	internal	29
0,001 g	200 g	WTC 200	WL-210-0004	No	-	Ø 100 mm	external	30
0,001 g	200 g	MA 200.3Y	WL-304-0011	-	-	Ø 90 mm	-	33
0,001 g	50 g	MA 50.X2.A	WL-306-0021	-	-	Ø 90 mm	-	33
0,001 g	110 g	MA 110.X2.A	WL-306-0027	-	-	Ø 90 mm	-	33
0,001 g	210 g	MA 210.X2.A	WL-306-0028	-	-	Ø 90 mm	-	33
0,001 g	50 g	MA 50.R	WL-305-0001	-	-	Ø 90 mm	-	33
0,001 g	110 g	MA 110.R	WL-305-0004	-	-	Ø 90 mm	-	33
0,001 g	210 g	MA 210.R	WL-305-0003	-	-	Ø 90 mm	-	33
0,01 g	1500 g	PS 1500.3Y	WL-220-0032	Yes	100 mg	195×195 mm	internal	14
0,01 g	2500 g	PS 2500.3Y	WL-220-0033	Yes	100 mg	195×195 mm	internal	14
0,01 g	4500 g	PS 4500.3Y	WL-220-0034	Yes	100 mg	195×195 mm	internal	14
0,01 g	6000 g	PS 6000.3Y	WL-220-0035	Yes	100 mg	195×195 mm	internal	14
0,01 g	10 kg	PM 10.4Y	WL-223-0002	No	-	200×185 mm	internal	18
0,01 g	15 kg	PM 15.4Y	WL-223-0003	No	-	200×185 mm	internal	18
0,01 g	10 kg	PM 10.C32	WL-223-0005	No	-	200×185 mm	internal	18
0,01 g	15 kg	PM 15.C32	WL-223-0006	No	-	200×185 mm	internal	18
0,01 g	8100 g	PS 8100.3Y	WL-220-0057	No	-	195×195 mm	internal	21
0,01 g	10100 g	PS 10100.3Y	WL-220-0058	No	-	195×195 mm	internal	21
0,01 g	8100 g	PS 8100.X2	WL-218-0058	No	-	195×195 mm	internal	21
0,01 g	10100 g	PS 10100.X2	WL-218-0059	No	-	195×195 mm	internal	21
0,01 g	8100 g	PS 8100.R2	WL-212-0083	No	-	195×195 mm	internal	21
0,01 g	10100 g	PS 10100.R2	WL-212-0084	No	-	195×195 mm	internal	21
0,01 g	1200 g	PS 1200.X2	WL-218-0028	Yes	0.1 g	195×195 mm	internal	24
0,01 g	2100 g	PS 2100.X2	WL-218-0030	Yes	0.1 g	195×195 mm	internal	24
0,01 g	3500 g	PS 3500.X2	WL-218-0032	Yes	0.1 g	195×195 mm	internal	24
0,01 g	4500 g	PS 4500.X2	WL-218-0034	Yes	0.1 g	195×195 mm	internal	24
0,01 g	6000 g	PS 6000.X2	WL-218-0037	Yes	0.1 g	195×195 mm	internal	24
0,01 g	1200 g	PS 1200.R2	WL-212-0023	Yes	0.1 g	195×195 mm	internal	27
0,01 g	2100 g	PS 2100.R2	WL-212-0017	Yes	0.1 g	195×195 mm	internal	27
0,01 g	3500 g	PS 3500.R2	WL-212-0025	Yes	0.1 g	195×195 mm	internal	27
0,01 g	4500 g	PS 4500.R2	WL-212-0026	Yes	0.1 g	195×195 mm	internal	27
0,01 g	6000 g	PS 6000.R2	WL-212-0027	Yes	0.1 g	195×195 mm	internal	27
0,01 g	6000 g	PS 6001.R2	WL-212-0040	Yes	1 g	195×195 mm	internal	27
0,01 g	3500 g	PS 3500.R1	WL-213-0026	No	-	195×195 mm	external	27
0,01 g	4500 g	PS 4500.R1	WL-213-0027	No	-	195×195 mm	external	27
0,01 g	6000 g	PS 6000.R1	WL-213-0028	No	-	195×195 mm	external	27
0,01 g	1200 g	PS 1200.R2.H	WL-221-0006	No	-	Ø 170 mm	internal	28
0,01 g	2100 g	PS 2100.R2.H	WL-221-0007	No	-	Ø 170 mm	internal	28
0,01 g	3500 g	PS 3500.R2.H	WL-221-0008	No	-	Ø 170 mm	internal	28
0,01 g	4500 g	PS 4500.R2.H	WL-221-0009	No	-	Ø 170 mm	internal	28
0,01 g	6000 g	PS 6000.R2.H	WL-221-0010	No	-	Ø 170 mm	internal	28
0,01 g	1 kg	WLY 1/D2	WL-219-0003	No	-	195×195 mm	external	29
0,01 g	2 kg	WLY 2/D2	WL-219-0004	No	-	195×195 mm	external	29
0,01 g	600 g	WLC 0.6.X2	WL-222-0002	No	-	128×128 mm	internal	29
0,01 g	2 kg	WLC 2.X2	WL-222-0003	No	-	195×195 mm	internal	29
0,01 g	1 kg / 10 kg	WLC 1/10.X2	WL-222-1001	No	-	195×195 mm	external	29
0,01 g	1 kg	WLC 1/A2	WL-206-0041	No	-	195×195 mm	external	30
0,01 g	2 kg	WLC 2/A2	WL-206-0039	No	-	195×195 mm	external	30
0,01 g	0.6 kg	WLC 0.6/A1/C/2	WL-217-0006	Yes	0.1 g	128×128 mm	internal	30
0,01 g	1 kg	WLC 1/A2/C/2	WL-217-0007	No	-	195×195 mm	internal	30
0,01 g	2 kg	WLC 2/A2/C/2	WL-217-0015	No	-	195×195 mm	internal	30
0,01 g	600 g	WTC 600	WL-210-0003	Yes	0,1	128×128 mm	-	30
0,01 g	600 g	WTC 600.1	WL-210-0008	No	-	128×128 mm	external	30
0,01 g	2000 g	WTC 2000	WL-210-0001	No	-	128×128 mm	external	30
0,1 g	35 kg	PM 35.4Y	WL-223-0004	Yes	1 g	347×259 mm	internal	18
0,1 g	50 kg	PM 50.4Y	WL-223-0013	Yes	1 g	347×259 mm	internal	18
0,1 g	35 kg	PM 35.C32	WL-223-0007	Yes	1 g	347×259 mm	internal	18
0,1 g	50 kg	PM 50.C32	WL-223-0008	Yes	1 g	347×259 mm	internal	18
0,1 g	6000 g	PS 6001.X2	WL-218-0038	Yes	1 g	195×195 mm	internal	24
0,1 g	6000 g	PS 6001.R1	WL-213-0043	No	-	195×195 mm	external	27
0,1 g	6 kg	WLY 6/D2	WL-219-0001	Yes	1 g	195×195 mm	-	29
0,1 g	10 kg	WLY 10/D2	WL-219-0002	No	-	195×195 mm	external	29
0,1 g	20 kg	WLY 20/D2	WL-219-0005	No	-	195×195 mm	external	29
0,1 g	6 kg	WLY 6/F1/R	WL-219-0033	Yes	1 g	300×300 mm	-	29
0,1 g	6 kg	WLY 6/F1/K	WL-219-0032	Yes	1 g	300×300 mm	-	29
0,1 g	6 kg	WLC 6.X2	WL-222-0004	No	-	195×195 mm	internal	29
0,1 g	10 kg	WLC 10.X2	WL-222-0009	No	-	195×195 mm	external	29
0,1 g	20 kg	WLC 20.X2	WL-222-0011	No	-	195×195 mm	external	29
0,1 g	6 kg	WLC 6/A2	WL-206-0003	Yes	1 g	195×195 mm	-	30
0,1 g	10 kg	WLC 10/A2	WL-206-0004	No	-	195×195 mm	external	30
0,1 g	20 kg	WLC 20/A2	WL-206-0022	No	-	195×195 mm	external	30

Readability [d]	Weighing range [Max]	Model	Product code	M	Verification [e]	Weighing pan dimensions	Calibration	Page
0,1 g	6 kg	WLC 6/F1/R	WL-206-0074	Yes	1 g	300×300 mm	-	30
0,1 g	6 kg	WLC 6/F1/K	WL-206-0073	Yes	1 g	300×300 mm	-	30
0,1 g	6 kg	WLC 6/A2/C/2	WL-217-0014	Yes	1 g	195×195 mm	internal	30
0,1 g	3100 g	WTC 3000	WL-210-0007	No	-	128×128 mm	external	30
0,1 g	16 kg	HY10.16.HRP	WP-330-0010	No	-	360×280 mm	internal	36
0,1 g	32 kg	HY10.32.HRP	WP-330-0009	No	-	360×280 mm	internal	36
0,1 g	16 kg	HY10.16.HRP.H	WP-340-0001	No	-	360×280 mm	internal	36
0,1 g	32 kg	HY10.32.HRP.H	WP-340-0002	No	-	360×280 mm	internal	36
0,1 g	16 kg	PUE 7.1.16.HRP	WP-350-0001	No	-	360×280 mm	internal	36
0,1 g	32 kg	PUE 7.1.32.HRP	WP-350-0002	No	-	360×280 mm	internal	36
0,2 g	12 kg	WLY 12/F1/R	WL-219-0035	No	-	300×300 mm	external	29
0,2 g	12 kg	WLY 12/F1/K	WL-219-0034	No	-	300×300 mm	external	29
0,2 g	12 kg	WLC 12/F1/R	WL-206-0076	No	-	300×300 mm	external	30
0,2 g	12 kg	WLC 12/F1/K	WL-206-0075	No	-	300×300 mm	external	30
0,5 g	60 kg	PM 60.05.4Y	WL-223-0010	No	-	400×500 mm	internal	18
0,5 g	60 kg	PM 60.05.C32	WL-223-0009	No	-	400×500 mm	internal	18
0,5 g	30 kg	WLY 30/F1/R	WL-219-0037	No	-	300×300 mm	external	29
0,5 g	30 kg	WLY 30/F1/K	WL-219-0036	No	-	300×300 mm	external	29
0,5 g	30 kg	WLC 30/F1/R	WL-206-0078	No	-	300×300 mm	external	30
0,5 g	30 kg	WLC 30/F1/K	WL-206-0077	No	-	300×300 mm	external	30
0,5 g	62 kg	HY10.62.HRP	WP-330-0001	No	-	500×500 mm	internal	36
0,5 g	62 kg	HY10.62.HRP.H	WP-340-0003	No	-	500×500 mm	internal	36
0,5 g	62 kg	PUE 7.1.62.HRP	WP-350-0010	No	-	500×500 mm	internal	36
1 g	60 kg	PM 60.1.4Y	WL-223-0011	No	-	400×500 mm	internal	18
1 g	60 kg	PM 60.1.C32	WL-223-0012	No	-	400×500 mm	internal	18
1 g	60 kg	WLY 60/C2/R	WL-219-0017	Yes	10 g	500×400 mm	-	29
1 g	60 kg	WLY 60/C2/K	WL-219-0008	Yes	10 g	500×400 mm	-	29
1 g	21 kg	WLC 21.X2	WL-222-0013	No	-	195×195 mm	external	29
1 g	60 kg	WLC 60/C2/R	WL-206-0063	Yes	10 g	400×500 mm	-	30
1 g	60 kg	WLC 60/C2/K	WL-206-0015	Yes	10 g	400×500 mm	-	30
1 g	120 kg	HY10.120.HRP	WP-330-0007	No	-	500×500 mm	internal	36
1 g	150 kg	HY10.150.HRP	WP-330-0002	No	-	800×600 mm	internal	36
1 g	120 kg	HY10.120.HRP.H	WP-340-0009	No	-	500×500 mm	internal	36
1 g	150 kg	HY10.150.HRP.H	WP-340-0004	No	-	800×600 mm	internal	36
1 g	120 kg	PUE 7.1.120.HRP	WP-350-0004	No	-	500×500 mm	internal	36
1 g	150 kg	PUE 7.1.150.HRP	WP-350-0005	No	-	800×600 mm	internal	36
2 g	120 kg	WLY 120/C2/R	WL-219-0020	No	-	500×400 mm	external	29
2 g	120 kg	WLY 120/C2/K	WL-219-0024	No	-	500×400 mm	external	29
2 g	120 kg	WLC 120/C2/R	WL-206-0036	No	-	400×500 mm	external	30
2 g	120 kg	WLC 120/C2/K	WL-206-0021	No	-	400×500 mm	external	30
2 g	300 kg	HY10.300.HRP	WP-330-0003	No	-	800×600 mm	internal	36
2 g	300 kg	HY10.300.1.HRP	WP-340-0006	No	-	1000×800 mm	internal	36
2 g	300 kg	HY10.300.HRP.H	WP-340-0005	No	-	800×600 mm	internal	36
2 g	300 kg	HY10.300.1.HRP.H	WP-340-0006	No	-	1000×800 mm	internal	36
2 g	300 kg	PUE 7.1.300.HRP	WP-350-0006	No	-	800×600 mm	internal	36
2 g	300 kg	PUE 7.1.300.1.HRP	WP-350-0007	No	-	1000×800 mm	internal	36
2 g	6 / 15 kg	WPT 6/15D	WM-001-1003	Yes	2 / 5 g	300×550 mm	-	37
5 g	600 kg	HY10.600.HRP	WP-330-0005	No	-	1000×800 mm	internal	36
5 g	600 kg	HY10.600.HRP.H	WP-340-0007	No	-	1000×800 mm	internal	36
5 g	600 kg	PUE 7.1.600.HRP	WP-350-0008	No	-	1000×800 mm	internal	36
5 g	10 / 20 kg	WPT 10/20D	WM-001-1004	Yes	5 / 10 g	300×550 mm	-	37
10 g	1100 kg	HY10.1100.HRP	WP-330-0006	No	-	1000×800 mm	internal	36
10 g	1100 kg	HY10.1100.HRP.H	WP-340-0008	No	-	1000×800 mm	internal	36
10 g	1100 kg	PUE 7.1.1100.HRP	WP-350-0009	No	-	1000×800 mm	internal	36
20 g	60 / 150 kg	WPT 60/150 O	WM-004-1006	Yes	20 / 50 g	289×319 mm	-	37
20 g	60 / 150 kg	WPT 60/150 OW	WM-004-1005	Yes	20 / 50 g	289×319 mm	-	37
50 g	100 / 200 kg	WPT 100/200 O	WM-004-1008	Yes	50 / 100 g	289×319 mm	-	37
50 g	100 / 200 kg	WPT 100/200 OW	WM-004-1007	Yes	50 / 100 g	289×319 mm	-	37
100 g	250 kg	WPT/K 250C	WM-003-0004	Yes	100 g	-	-	37
100 g	300 kg	WPT/8B 300C	WM-002-0002	Yes	100 g	-	-	38
200 g	500 kg	WPT/4B 500C	WM-002-0003	Yes	200 g	-	-	38

$sd \leq 1d$
weighing faster than you think
2-point adjustment system



www.radwag.com

4Y **Brand new series**
of laboratory balances

PROFESSIONAL LEVEL

4Y

Professional level of weighing The highest measurement accuracy



Innovative 2-point adjustment system

Brand new adjustment system guarantees the highest measurement accuracy. It minimizes linearity errors simultaneously providing reliable indications for the whole weighing range.

Faster measurement with the new CPU

4Y balances feature Dual Core 2 x 1 GB processor which delivers noticeable performance improvements including faster operation and shorter stabilization time retaining high repeatability values.

Monitoring and elimination of electrostatics

Installation of an additional deionizer module in a weighing chamber facilitates automatic detection and elimination of electrostatics effect to which both, sample and container intended for measurement may be subjected.

8 GB RAM – more data management possibilities

8 GB RAM offers possibility of recording data in a form of complex reports. Time and statistic data diagrams on series of weighments are another useful option.

The best possible repeatability and USP regulations conformity

The best weighing accuracy and repeatability – with $sd \leq 1d$ combined with USP regulations conformity (Section 41 and 1251) make 4Y balances a new standard for mass measurement quality.

Ergonomics and safety

Wireless communication between balance terminal and a weighing unit make it possible to comfortably operate 4Y series balances in laminar air flow cabinets and fume cupboards.

Remote control operation

Wireless module offers wireless transfer of data recorded by 4Y balance to any portable device powered by iOS or Android systems using special applications intended for data management.

Data safety

Every single 4Y balance features ALIBI memory designed to provide protection and automatic recording of your measurements. Options such as data preview, copying and archiving are also available to users.

								
	UYA 4Y	UYA 4Y.F	MYA 4Y	MYA 4Y.P	MYA 4Y.F	XA 4Y	XA 4Y.A	XA 4Y.F
Maximum capacity [Max]	2.1 g	2.1 g	0.8-52 g	21 g	5.1 g	52-310 g	52-310 g	52-110 g
Readability [d]	0.1 µg	0.1 µg	1-10 µg	1 µg	1 µg	0.01-0.1 mg	0.01-0.1 mg	0.01 mg
Minimum weight USP	0.8 mg	0.8 mg	1.4-2.4 mg	3 mg	2 mg	20-160 mg	20-160 mg	20-24 mg
Weighing pan dimensions	ø16 mm	ø50 mm	ø 16, ø 26, ø 40, ø 60 mm	ø26 mm	ø 26, ø 100, ø 160 mm	ø 85, ø 90, ø 100 mm	ø 85, ø 90, ø 100 mm	210 × 254, ø 85, ø 90 mm
Filters weighing	○	●	●	○	●	○	○	●
Pipettes calibration	○	○	●	●	○	●	●	○
Automatically opened door	●	○	●	●	○	○	●	○
Display	5.7" colour touchscreen							
Adjustment	automatic (internal)							
Communication interfaces	2 × USB-A, 2 × RS 232, Ethernet, Wireless Module, 4 × IN / 4 × OUT (digital)							

UYA.4Y Ultra-microbalances



Model		M	Max	d	e	Pan size	Retail Price €
UYA 2.4Y	•	•	2.1 g	0.1 µg	1 mg	Ø 16 mm	19 900
UYA 2.4Y.F	•	•	2.1 g	0.1 µg	1 mg	Ø 50 mm	19 900
UYA 6.4Y	•	•	6.1 g	0.1 µg	1 mg	Ø 16 mm	23 900
Additional charge for UYA xx.4Y.B with wireless terminal							+ 200

MYA.4Y Microbalances



Model		M	Max	d	e	Pan size	Retail Price €
MYA 2.4Y	•	•	2.1 g	1 µg	1 mg	Ø 16 mm	8 970
MYA 0.8/3.4Y	•	•	0.8 g / 3 g	1 µg / 10 µg	1 mg	Ø 16 & 60 mm	8 970
MYA 5.4Y	•	•	5.1 g	1 µg	1 mg	Ø 26 mm	10 074
MYA 6.4Y	•	•	6 g	1 µg	1 mg	Ø 26 mm	11 224
MYA 11.4Y	•	•	11 g	1 µg	1 mg	Ø 26 mm	11 868
MYA 21.4Y	•	•	21 g	1 µg	1 mg	Ø 26 mm	13 386
MYA 11/52.4Y	•	•	11 g / 52 g	1 µg / 10 µg	1 mg	Ø 26 & 40 mm	13 386
MYA 31.4Y	•	•	31 g	1 µg	1 mg	Ø 26 mm	14 306
MYA 52.4Y	•	•	52 g	1 µg	1 mg	Ø 26 mm	19 309
MYA 21/52.4Y	•	•	21 g / 52 g	1 µg / 10 µg	1 mg	Ø 26 & 40 mm	14 306
Additional charge for MYA xx.4Y.B with wireless terminal							+ 200

XA.4Y.M Microbalances



Additionally option: XA xx.4Y.M.B



Model		M	Max	d	e	Pan size	Retail Price €
XA 6.4Y.M	•	•	6.1 g	1 µg	1 mg	Ø 30 mm	7 286
XA 6/21.4Y.M	•	•	6 g / 21 g	1 µg / 2 µg	1 mg	Ø 50 mm	11 130
XA 21.4Y.M	•	•	21 g	2 µg	1 mg	Ø 50 mm	9 679
XA 21/51.4Y.M	•	•	21 g / 51 g	2 µg / 5 µg	1 mg	Ø 50 mm	11 895
XA 51.4Y.M	•	•	51 g	5 µg	1 mg	Ø 50 mm	10 344
Additional charge for XA xx.4Y.M.B with wireless terminal							+ 200

internal calibration

XA.4Y.M.A Microbalances



Additionally option: XA xx.4Y.M.A.B



Model		M	Max	d	e	Pan size	Retail Price €
XA 6.4Y.M.A	•	•	6.1 g	1 µg	1 mg	Ø 30 mm	8 042
XA 6/21.4Y.M.A	•	•	6 g / 21 g	1 µg / 2 µg	1 mg	Ø 50 mm	12 288
XA 21.4Y.M.A	•	•	21 g	2 µg	1 mg	Ø 50 mm	10 686
XA 21/51.4Y.M.A	•	•	21 g / 51 g	2 µg / 5 µg	1 mg	Ø 50 mm	13 133
XA 51.4Y.M.A	•	•	51 g	5 µg	1 mg	Ø 50 mm	11 420
Additional charge for XA xx.4Y.B with wireless terminal							+ 200

 internal calibration

MYA.4Y.F Microbalances for filter weighing



Model		M	Max	d	e	Pan size	Retail Price €
MYA 5.4Y.F	•	•	5.1 g	1 µg	1 mg	Ø100 mm	10 074
MYA 5.4Y.F1	•	•	5.1 g	1 µg	1 mg	Ø160 mm	13 524
Additional charge for MYA xx.4Y.F.B with wireless terminal							+ 200

MYA.4Y.P Microbalances for calibration of pipettes



Model		M	Max	d	e	Pan size	Retail Price €
MYA 21.4Y.P	•	•	21 g	1 µg	1 mg	Ø 26 mm	14 490
Additional charge for MYA xx.4Y.P.B with wireless terminal							+ 200
Pipettes – PC software							+ 500

 internal calibration

Workstation for Pipettes Calibration



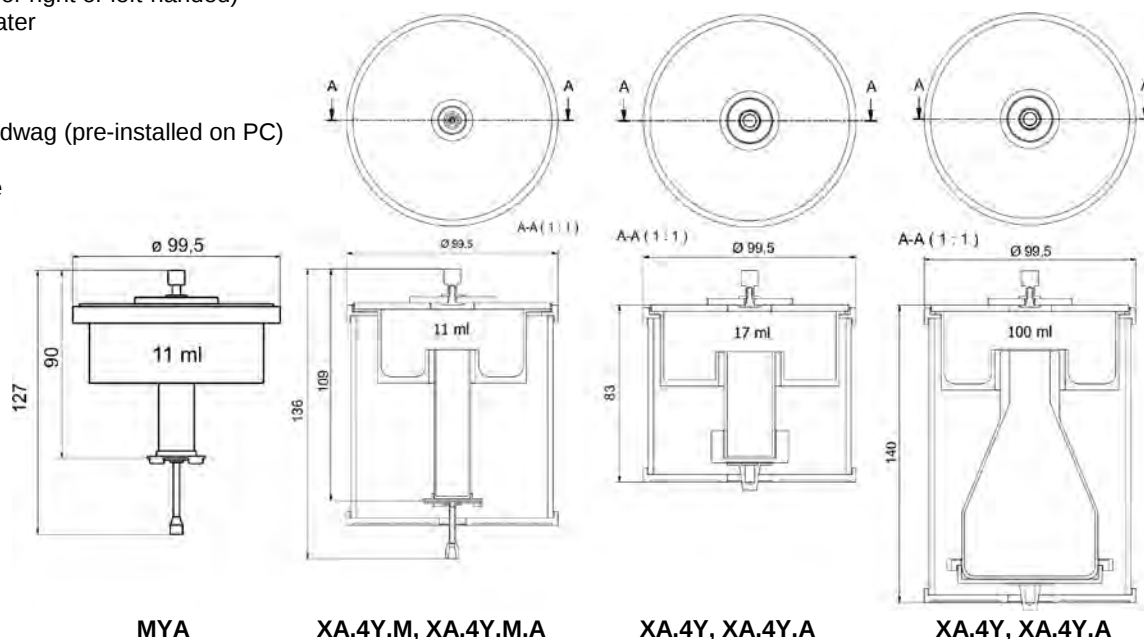
In order to ensure measurement reproducibility, and to meet all the requirements resulting from supervision over measuring equipment and to facilitate the process of pipettes calibration RADWAG recommends effective and ergonomic solution of calibrating automatic pipettes conducted by a user - complete Workstation for Pipettes Calibration.

Purpose:

1. Calibration of automatic pipettes from 1µl to 17ml:
 - with fixed volume
 - with adjustable volume
2. Weighing of samples with maximum capacity up to 21g and accuracy $d=1\mu\text{g}$ (in standard weighing chamber - pan $\varnothing 30\text{mm}$)

Unit contents:

1. Table for calibration with anti-vibration table
2. Environmental module:
 - probe for temperature, humidity and pressure measurement
 - probe for water temperature measurement
 - calibration certificate in standard
3. Used water kit:
 - sink for used water (for right or left-handed)
 - container for used water
 - waste water pump
4. Computer set:
 - PC
 - software Pipettes Radwag (pre-installed on PC)
 - LCD monitor
 - keyboard and mouse
5. Power supply
6. Arm rests



Weighing instruments to be used at the workstation:

- MYA 21.4Y.P
- XA 52.4Y.A.P
- XA 82/220.4YA.P
- XA.4Y.M series
- XA.4Y.M.A series

Model	Retail Price €
Workstation for Pipettes Calibration	6 634
DUAL Workstation for Pipettes Calibration	13 414
AMBIENT CONDITION MODULE – Model THB: direct connection with 4Y series; 1sensor	+ 900
Calibration certificate of module THB	+ 300

XA.4Y Analytical balances



Model		M	Max	d	e	Pan size	Retail Price €
XA 52.4Y	•	•	52 g	0.01 mg	1 mg	grid pan Ø 90 mm	3 955
XA 110.4Y	•	•	110 g	0.01 mg	1 mg	grid pan Ø 90 mm	4 181
XA 210.4Y	•	•	210 g	0.01 mg	1 mg	grid pan Ø 90 mm	5 537
XA 82/220.4Y	•	•	82/220 g	0.01/0.1 mg	1 mg	grid pan Ø 90 mm	4 407
XA 120/250.4Y	•	•	120 g / 250 g	0.01 mg / 0.1 mg	1 mg	grid pan Ø 90 mm	5 537
XA 220.4Y	•	•	220 g	0.1 mg	1 mg	Ø 100 mm	4 181
XA 310.4Y	•	•	310 g	0.1 mg	1 mg	Ø 100 mm	4 407
Additional charge for XA xx.4Y.B with wireless terminal							+ 200
Surcharge for additional weighing pan Ø 85 mm (only for balances d=0.01mg)							+ 20

internal calibration

XA.4Y.A Analytical balances



Model		M	Max	d	e	Pan size	Retail Price €
XA 52.4Y.A	•	•	52 g	0.01 mg	1 mg	grid pan Ø 90 mm	5 311
XA 110.4Y.A	•	•	110 g	0.01 mg	1 mg	grid pan Ø 90 mm	5 537
XA 210.4Y.A	•	•	210 g	0.01 mg	1 mg	grid pan Ø 90 mm	6 893
XA 82/220.4Y.A	•	•	82/220 g	0.01/0.1 mg	1 mg	grid pan Ø 90 mm	5 763
XA 120/250.4Y.A	•	•	120 g / 250 g	0.01 mg / 0.1 mg	1 mg	grid pan Ø 90 mm	6 893
XA 220.4Y.A	•	•	220 g	0.1 mg	1 mg	Ø 100 mm	5 537
XA 310.4Y.A	•	•	310 g	0.1 mg	1 mg	Ø 100 mm	5 763
Additional charge for XA xx.4Y.B with wireless terminal							+ 200
Surcharge for additional weighing pan Ø 85 mm (only for balances d=0.01mg)							+ 20

XA.4Y.F Analytical balances



Model		M	Max	d	e	Pan size	Retail Price €
XA 52.4Y.F	•	•	52 g	0.01 mg	1 mg	210×254mm (+grid pan Ø90 mm)	5 085
XA 110.4Y.F	•	•	110 g	0.01 mg	1 mg	210×254mm (+grid pan Ø90 mm)	5 311
Additional charge for XA 52.4Y.F.B with wireless terminal							+ 200
Surcharge for additional weighing pan Ø 85 mm (only for balances d=0.01mg)							+ 20

AS.3Y Analytical balances



Additionally option: AS xx.3Y.B



Model		M	Max	d	e	Pan size	Retail Price €
AS 220.3Y	•	•	220 g	0.1 mg	1 mg	Ø 100 mm	2 160
AS 310.3Y	•	•	310 g	0.1 mg	1 mg	Ø 100 mm	2 592
AS 510.3Y	•		510 g	0.1 mg		Ø 100 mm	4 104
Additional charge for AS xx.3Y.B with wireless terminal							+ 200

 internal calibration

PS.3Y Precision balances



Additionally option:
PS xx.3Y.B



Anti Draft
Chamber 153



Model		M	Max	d	e	Pan size	Retail Price €
PS 200/2000.3Y	•	•	200/2000 g	1/10 mg	10/100 mg	128×128 mm	1 836
PS 250.3Y	•	•	250 g	1 mg	10 mg	128×128 mm	1 577
PS 450.3Y	•	•	450 g	1 mg	10 mg	128×128 mm	1 739
PS 600.3Y	•	•	600 g	1 mg	10 mg	128×128 mm	1 771
PS 750.3Y	•	•	750 g	1 mg	10 mg	128×128 mm	1 836
PS 1000.3Y	•	•	1000 g	1 mg	10 mg	128×128 mm	1 966
PS 1500.3Y	•	•	1500 g	10 mg	100 mg	195×195 mm	1 577
PS 2500.3Y	•	•	2500 g	10 mg	100 mg	195×195 mm	1 739
PS 4500.3Y	•	•	4500 g	10 mg	100 mg	195×195 mm	1 836
PS 6000.3Y	•	•	6000 g	10 mg	100 mg	195×195 mm	1 966
Additional charge for PS xx.3Y.B with wireless terminal							+ 200
Extra charge for PGC (only PS 750.3Y and PS 4500.3Y)							+ 50
Extra charge for Anti-Draft Chamber 153 – pan size 128×128 mm							+ 33

 internal calibration

New sensor: Radwag MonoBLOCK™
Unrivalled repeatability
Weighing heavy loads with the maximum accuracy



RADWAG MONOBLOCK®

www.radwag.com

PM

**High Capacity
Precision Balances**

THE HIGHEST LEVEL OF PERFORMANCE

RADWAG MonoBLOCK™ solution facilitates weighing 10 mg - 50 kg sample weights with the highest accuracy.

Unrivalled Repeatability

PM balances are characterized by the highest measurement accuracy for particular maximum capacities. These instruments guarantee readability of 0.01 g at capacity of 15 kg and readability of 0.1 g at capacity of 50 kg.

MONOBLOCK®

The PM series has been equipped with an up to date innovative measuring system RADWAG MonoBLOCK™. Use of brand-new RADWAG-patented technology guarantees stability of repeatability over time at a range $sd < 1d$. The unique measuring system solution is characteristic for great resistance to ambient conditions change.



High Quality Design

Housing made of ABS thermoplastic polymer and stainless steel weighing pan effectively protect the weighing sensor and electronics against water, dust and damage. Both the housing and the weighing pan function also as a protection against chemical substances.



An in-built 4-point protection system prevents balance overloading, this ensures safety in case too heavy load is applied onto the weighing pan. Robust design allows device operation even in the most challenging ambient conditions.



Work Optimisation

Large weighing pan facilitates weighing or dosing of many recipe ingredients using one balance and one container only.



With this process optimisation is guaranteed both in a laboratory and on a production line. Application of one weighing instrument for a number of various purposes considerably reduces costs and improves performance.

Wide Range of Functions and Applications

PM series balances offer plenty of advanced weighing applications improving their functionality.

Wide range of useful functions ensures comfort of operation.



More Than Weighing!

As hi-tech weighing instruments PM balances offer not only regular weighing but also a wide range of professional working modes. Large color screens simplify operation of any working mode making it easy and intuitive.



PM series balances offer good ergonomics, wide range of applications and comfort of operation.

Usage Ergonomics

With use of long cable it is possible to locate the terminal in a place facilitating convenient operation.

The terminal design allows to mount it on a wall at suitable level.



PM series is equipped with only 11-centimetre high weighing platform, the lowest permissible solution for instruments of this class. The unique measuring system solution is characterized with great resistance to ambient conditions change.



Wireless communication between the balance and the terminal ensures safe operation of the instrument in a fume cupboard or glove box chamber in the course of weighing of toxic substances (chemicals, poisonous vapour etc.).



Settings Customization and Accordance with CFR21

Modern weighing terminals used along with PM series balances enable adjusting balance settings to individual requirements of particular operators. Additionally they guarantee data safety and limited access which prevents unauthorized users against entering the balance program.

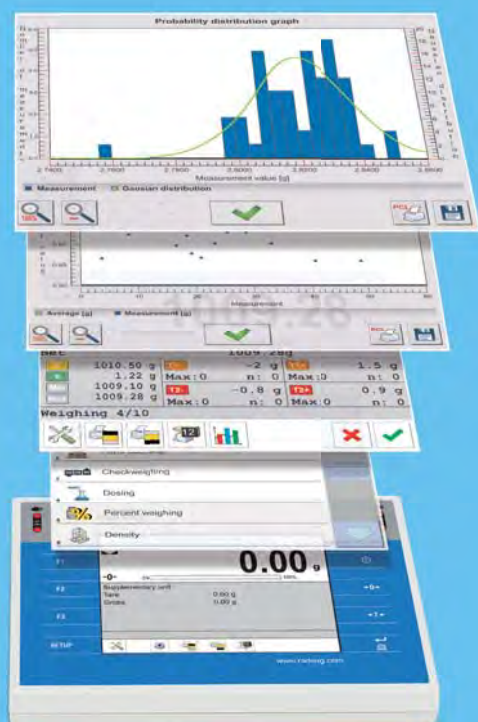
Large display with clear menu layout offers even more comfortable operation making your work enjoyable like never before.

PM series balances comply with CFR21 standard. This is pioneer solution available on the market that adheres to CFR21 requirements implemented in the balance firmware (4Y series).



Cooperation with External Devices

PM series is equipped with complete range of communication interfaces enabling connection of numerous peripheral devices.



PC Computer



Printer



Keyboard



Additional display



Barcode scanner



Thermo hygro barometer



RFID reader



PLC



Tower lights



PM.4Y Precision balances



PM 10.4Y. PM 15.4Y



PM 35.4Y. PM 50.4Y



Model		M	Max	d	e	Pan size	Retail Price €
PM 10.4Y	•		10 kg	0.01 g	-	200×185 mm	2 912
PM 15.4Y	•		15 kg	0.01 g	-	200×185 mm	3 912
PM 35.4Y	•	•	35 kg	0.1 g	1 g	347×259 mm	2 842
PM 50.4Y	•	•	50 kg	0.1 g	1 g	347×259 mm	3 912
Additional charge for PM xx.4Y.B with wireless terminal							+ 200

PM 60.4Y Precision balances



Model		M	Max	d	e	Pan size	Retail Price €
PM 60.05.4Y	•		60 kg	0.5 g	-	400×500 mm	4 612
PM 60.1.4Y	•		60 kg	1 g	-	400×500 mm	4 412
Additional charge for PM 60.4Y.B with wireless terminal							+ 200

PM.C32 Precision balances



PM 10.C32.
PM 15.C32



PM 35.C32.
PM 50.C32



Model		M	Max	d	e	Pan size	Retail Price €
PM 10.C32	•		10 kg	0.01 g	-	200×185 mm	1 940
PM 15.C32	•		15 kg	0.01 g	-	200×185 mm	2 940
PM 35.C32	•	•	35 kg	0.1 g	1 g	347×259 mm	1 870
PM 50.C32	•	•	50 kg	0.1 g	1 g	347×259 mm	2 940

PM 60.C32 Precision balances



Model		M	Max	d	e	Pan size	Retail Price €
PM 60.05.C32	•		60 kg	0.5 g	-	400×500 mm	3 640
PM 60.1.C32	•		60 kg	1 g	-	400×500 mm	3 440

10 kg maximum capacity and 0.01 g readability
Incomparable resolution in series of precision balances
Quick and reliable measurements



www.radwag.com

PS High Capacity
Precision Balances

THE HIGHEST LEVEL OF PERFORMANCE

Technical specifications for the most demanding users: maximum capacity of 10 kg and readability of 0.01 g

Resolution of 1 mln reading units - incomparable for precision balances.

Loads up to 10 kg can be quickly measured with the best readability $d = 0.01$ g. It optimizes operating time in dosing, formulations and parts counting modes.

PS Heavy Duty balances enable operation with both small samples of few grams as well as with large ones, ranging up to 10 kg. In both cases measurement accuracy remains the same. Using one balance for few applications reduces costs of purchasing numerous devices and increases operation efficiency.



Quick and reliable measurements

Due to use of EMFC mechanism of the latest generation, PS Heavy Duty balances guarantee the best repeatability ranging up to ($sd < 1$ d).



Use of the new measuring system, which is a subject matter of RADWAG patent, guarantees reliable measurement results under both laboratory and challenging industrial conditions. It is characterized by high resistance to ambient conditions, assuring very short measurements.



New innovative weighing pan

New design of draft shield limits the influence of air drafts on balance operation. This solution assures higher comfort of operation and increases efficiency of measuring processes.



Weighing pan with single-point support facilitates dismantling and enables quick cleaning of a weighing pan. It prevents weighed substances from getting to the inside of the balance. The above feature guarantees long and failure-free operation.



PS 3Y Heavy Duty Balances

Balances of the highest class dedicated for the most challenging applications. They provide excellent accuracy and measurement speed as well as incomparable weighing performance. Equipped with 5.7" colour touchscreen.



PS X2 Heavy Duty Balances

Advanced laboratory balances intended for most applications. They guarantee high quality measurements while maintaining easy and convenient operation. PS X2 Heavy Duty balances feature 5" capacitive touchscreen.



PS R Heavy Duty Balances

Regular but versatile and reliable laboratory balances intended for standard applications. They are characterized by measurements accuracy, ease of operation and robust design. PS R Heavy Duty balances feature large monochromatic backlit LCD.



PS.3Y High capacity precision balances



Model		M	Max	d	Pan size	Retail Price €
PS 8100.3Y	•		8100 g	10 mg	195×195 mm	2 600
PS 10100.3Y	•		10100 g	10 mg	195×195 mm	3 000

 internal calibration

PS.X2 High capacity precision balances



Model		M	Max	d	Pan size	Retail Price €
PS 8100.X2	•		8100 g	10 mg	195×195 mm	1 100
PS 10100.X2	•		10100 g	10 mg	195×195 mm	1 180

 internal calibration

PS.R2 High capacity precision balances



Model		M	Max	d	Pan size	Retail Price €
PS 8100.R2	•		8100 g	10 mg	195×195 mm	830
PS 10100.R2	•		10100 g	10 mg	195×195 mm	950
Wireless Interface - option						+ 40

 internal calibration

5" colour touchscreen
Individual display
The maximum comfort of operation



www.radwag.com

X2

Laboratory balances

ADVANCED LEVEL

X2

Advanced weighing performance The maximum comfort of operation



Comfort of operation due to 5" capacitive touchscreen

The X2 series balances feature the latest generation capacitive display providing the maximum comfort of use, available right at your fingertips. Ease of operation, clear menu and practical arrangement of the display guarantee the best ergonomics for your everyday tasks.

Personalization taken to the next level

The X2 is the only balance available on the market that, provides a user with the option to design display using wide selection of widgets. Customised display of X2 series offers direct access to the results of your work and other important information directly from the home screen.

Unlimited possibilities of communication

A wide array of available interfaces facilitate selection of the most optimal means for communication. The X2 series balances offer unlimited possibilities for cooperation with external devices, providing printing, copying, archiving and data transfer.

Ergonomics of operation

Built-in IR sensors allow numerous operations (e.g. tarring, transmitting the result to a printer or selecting successive steps of a particular process, etc.) to be performed hands-free, by simply moving a hand across the sensor.

Data safety

The X2 series balances feature ALIBI memory that is a warranty for safety and automatic recording of your measurements. Options such as data preview, copying and archiving are available to users, as well.

Weighing data management

USB interface facilitates quick transfer and copying of any results of your work (measurements, reports, databases) to other balance.



AS X2



PS X2



WLC X2



MA X2.A



MA X2.IC.A

	AS X2	PS X2	WLC X2	MA X2.A	MA X2.IC.A	
Maximum capacity [Max]	60 g - 310 g	200 g - 10100 g	110 g - 21000 g	50 g - 210 g	50 g - 210 g	Maximum capacity [Max]
Readability [d]	0.01 mg - 0.1 mg	1 mg - 100 mg	0.001 g - 1 g	0.01 mg - 0.1 mg	0.01 mg - 0.1 mg	Readability [d]
Display	5" colour touchscreen	5" colour touchscreen	5" colour touchscreen	5" colour touchscreen	5" colour touchscreen	Display
Adjustment	Internal (automatic)	Internal (automatic)	Internal (automatic), external	External	Internal (automatic)	Adjustment
Stabilization time	3.5 s - 6 s	1.5 s - 2 s	1.5 s - 2 s	0.0001 % - 0.001 %	0.0001 % - 0.001 %	Moisture readout accuracy
Weighing pan dimensions	ø 90 mm, ø 100 mm, ø 85 mm (option)	128 × 128 mm, 195 × 195 mm	128 × 128 mm, 195 × 195 mm, ø 100 mm	ø 90 mm, h = 8 mm	ø 90 mm, h = 8 mm	Weighing pan dimensions
Communication Interfaces	2 × RS 232, USB-A, USB-B, Ethernet, Wireless Connection	2 × RS 232, USB-A, USB-B, Ethernet, Wireless Connection	2 × RS 232, USB-A, USB-B, Ethernet, Wireless Connection	2 × RS 232, USB-A, USB-B, Ethernet,	2 × RS 232, USB-A, USB-B, Ethernet,	Communication Interfaces

AS.X2 Analytical balances



Model		M	Max	d	e	Pan size	Retail Price €
AS 60/220.X2	•	•	60g / 220g	0.01/ 0.1 mg	1 mg	grid pan Ø 90 mm	2 030
AS 82/220.X2	•	•	82g / 220g	0.01 / 0.1 mg	1 mg	grid pan Ø 90 mm	2 246
AS 220.X2	•	•	220 g	0.1 mg	1 mg	Ø 100 mm	1 274
AS 310.X2	•	•	310 g	0.1 mg	1 mg	Ø 100 mm	1 490
Surcharge for additional weighing pan Ø 85 mm (only for balances d=0.01mg)							+ 20

PS.X2 Precision balances



Anti Draft Chamber 153 Windschield



Model		M	Max	d	e	Pan size	Retail Price €
PS 200/2000.X2	•	•	200/2000 g	0.001/0.01 g	0.01g/0.1g	128×128 mm	957
PS 210.X2	•	•	210 g	0.001 g	0.01 g	128×128 mm	842
PS 360.X2	•	•	360 g	0.001 g	0.01 g	128×128 mm	853
PS 600.X2	•	•	600 g	0.001 g	0.01 g	128×128 mm	863
PS 750.X2	•	•	750 g	0.001 g	0.01 g	128×128 mm	874
PS 1000.X2	•	•	1010 g	0.001 g	0.01 g	128×128 mm	936
PS 1200.X2	•	•	1200 g	0.01 g	0.1 g	195×195 mm	842
PS 2100.X2	•	•	2100 g	0.01 g	0.1 g	195×195 mm	853
PS 3500.X2	•	•	3500 g	0.01 g	0.1 g	195×195 mm	863
PS 4500.X2	•	•	4500 g	0.01 g	0.1 g	195×195 mm	874
PS 6000.X2	•	•	6000 g	0.01 g	0.1 g	195×195 mm	936
PS 6001.X2	•	•	6000 g	0.1 g	1 g	195×195 mm	874
Extra charge for Windshield – pan size 128×128 mm							+ 11
Extra charge for Anti-Draft Chamber 153 – pan size 128×128 mm							+ 33

internal calibration

Versatility of applications
Ease of operation and reliable design
Quality and precision at a low price



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R Laboratory
balances

STANDARD WEIGHING

R

Standard weighing Highly precise measurement



Precise Measurement and Repeatability of Indications

Automatic adjustment system of R series balances is a control-verifying tool enabling precise weighing performance in any conditions. The R series designed of monolithic components provides fast measurement and repeatability of indications.

Accuracy Even in Challenging Conditions

Vast operating temperature range and resistance to external conditions minimizes its influence on balance operation. R series balances offer option of online monitoring carried out automatically and record of temperature changes rate.

Easy-to-read Information Arrangement

Clear weighing result display is guaranteed with use of large, easy-to-read LCD. On-screen pictograms inform you on real time operated function or working mode, battery charge, connection status, etc. Additional text line allows preview of weighing process related messages and information.

Direct Access to Selected Functions

Balance overlay features quick access keys by means of which you can either activate a particular function or enter a given database directly with just a single touch. It is possible to assign a freely selected function to some of the keys.

Database Management and Data Protection

R series balances information system is based on 4 databases: users, products, weighings and tares. Any recorded data can be subjected to numerous operations, e.g. detailed analysis, export, import, balance-to-balance exchange. The stored data is protected by Alibi Memory allowing record of about 100 000 weighings. In order to read any of the saved weighing records use Adobe Reader application.



AS R2



PS R1



PS R2



MA R

Maximum capacity [Max]	60 g - 310 g	110 g - 6000 g	200 g - 4500 g	50 g - 210 g	Maximum capacity [Max]
Readability [d]	0.01 mg - 0.1 mg	1 mg - 100 mg	1 mg - 100 mg	0.1 mg - 1 mg	Readability [d]
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)	LCD (backlit)	Display
Adjustment	internal (automatic)	external	internal (automatic)	0.0001 % - 0.001 %	Moisture readout accuracy
Stabilization time	3.5 s - 6 s	1.5 s - 2 s	1.5 s - 2 s	max 160°C, max 250°C (option)	Drying temperature range
Weighing pan dimensions	ø 90 mm, ø100 mm, ø 85 mm (option)	128×128 mm, 195×195 mm	128×128 mm, 195×195 mm	ø 90 mm, h = 8 mm	Weighing pan dimensions
Communication interfaces	2×RS 232, USB-A, USB-B, Wireless Module (option)	2×RS 232, USB-A, USB-B, Wireless Module (option)	2×RS 232, USB-A, USB-B, Wireless Module (option)	2×RS 232, USB-A, USB-B, Wireless Module (option)	Communication interfaces

AS.R Analytical balances



Model		M	Max	d	e	Pan size	Retail Price €
AS 60/220.R2	•	•	60g / 220g	0.01/0.1 mg	1 mg	grid pan Ø 90 mm	1 539
AS 82/220.R2	•	•	82g / 220g	0.01/0.1 mg	1 mg	grid pan Ø 90 mm	1 747
AS 220.R2	•	•	220 g	0.1 mg	1 mg	Ø 100 mm	759
AS 310.R2	•	•	310 g	0.1 mg	1 mg	Ø 100 mm	1 019
AS 110.R1			110 g	0.1 mg		Ø 100 mm	686
AS 160.R1			160 g	0.1 mg		Ø 100 mm	697
AS 220.R1			220 g	0.1 mg		Ø 100 mm	707
Wireless Interface – option							+ 40
Surcharge for additional weighing pan Ø 85 mm (only for balances d=0.01mg)							+ 20

internal calibration

PS.R Precision balances



Anti Draft Chamber 153

Windschild



Model		M	Max	d	e	Pan size	Retail Price €
PS 200/2000.R2	•	•	200/2000 g	0.001/0.01 g	0.01/0.1 g	128×128 mm	645
PS 210.R2	•	•	210 g	0.001 g	0.01 g	128×128 mm	530
PS 360.R2	•	•	360 g	0.001 g	0.01 g	128×128 mm	541
PS 600.R2	•	•	600 g	0.001 g	0.01 g	128×128 mm	551
PS 750.R2	•	•	750 g	0.001 g	0.01 g	128×128 mm	562
PS 1000.R2	•	•	1010 g	0.001 g	0.01 g	128×128 mm	624
PS 1200.R2	•	•	1200 g	0.01 g	0.1 g	195×195 mm	530
PS 2100.R2	•	•	2100 g	0.01 g	0.1 g	195×195 mm	541
PS 3500.R2	•	•	3500 g	0.01 g	0.1 g	195×195 mm	551
PS 4500.R2	•	•	4500 g	0.01 g	0.1 g	195×195 mm	562
PS 6000.R2	•	•	6000 g	0.01 g	0.1 g	195×195 mm	624
PS 6001.R2	•	•	6000 g	0.1 g	1 g	195×195 mm	562
PS 200/2000.R1			200/2000 g	0.001/0.01 g	-	128×128 mm	530
PS 510.R1			510 g	0.001 g	-	128×128 mm	468
PS 750.R1			750 g	0.001 g	-	128×128 mm	489
PS 1000.R1			1000 g	0.001 g	-	128×128 mm	530
PS 3500.R1			3500 g	0.01 g	-	195×195 mm	468
PS 4500.R1			4500 g	0.01 g	-	195×195 mm	489
PS 6000.R1			6000 g	0.01 g	-	195×195 mm	530
PS 6001.R1			6000 g	0.1 g	-	195×195 mm	489
Wireless Interface - option							+ 40
Extra charge for Windshield – pan size 128×128 mm							+ 11
Extra charge for Anti-Draft Chamber 153 – pan size 128×128 mm							+ 33

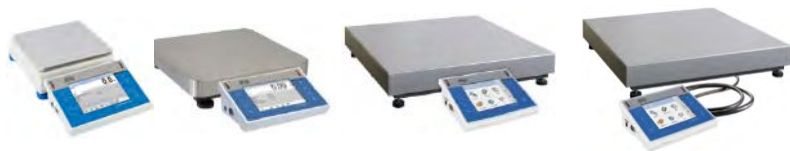
internal calibration

PS.R2.H Precision balances



Model	•	M	Max	d	e	Pan size	Retail Price €
PS 200/2000.R2.H	•		200/2000 g	0.001/0.01 g	-	Ø 115 mm	1 477
PS 210.R2.H	•		210 g	0.001 g	-	Ø 115 mm	1 362
PS 360.R2.H	•		360 g	0.001 g	-	Ø 115 mm	1 373
PS 600.R2.H	•		600 g	0.001 g	-	Ø 115 mm	1 383
PS 750.R2.H	•		750 g	0.001 g	-	Ø 115 mm	1 394
PS 1000.R2.H	•		1010 g	0.001 g	-	Ø 115 mm	1 456
PS 1200.R2.H	•		1200 g	0.01 g	-	Ø 170 mm	1 362
PS 2100.R2.H	•		2100 g	0.01 g	-	Ø 170 mm	1 373
PS 3500.R2.H	•		3500 g	0.01 g	-	Ø 170 mm	1 383
PS 4500.R2.H	•		4500 g	0.01 g	-	Ø 170 mm	1 394
PS 6000.R2.H	•		6000 g	0.01 g	-	Ø 170 mm	1 456
Wireless Interface - option							+ 40

WLY Precision balances



Model	M	Max	d	e	Pan size	Retail Price €
WLY 1/D2		1 kg	0.01 g	-	195×195 mm	1 231
WLY 2/D2		2 kg	0.01 g	-	195×195 mm	1 426
WLY 6/D2	•	6 kg	0.1 g	1 g	195×195 mm	1 231
WLY 10/D2		10 kg	0.1 g	-	195×195 mm	1 285
WLY 20/D2		20 kg	0.1 g	-	195×195 mm	1 426
WLY 6/F1/R	•	6 kg	0.1 g	1 g	300×300 mm	1 285
WLY 6/F1/K	•	6 kg	0.1 g	1 g	300×300 mm	1 285
WLY 12/F1/R		12 kg	0.2 g	-	300×300 mm	1 285
WLY 12/F1/K		12 kg	0.2 g	-	300×300 mm	1 285
WLY 30/F1/R		30 kg	0.5 g	-	300×300 mm	1 285
WLY 30/F1/K		30 kg	0.5 g	-	300×300 mm	1 285
WLY 60/C2/R	•	60 kg	1 g	10 g	500×400 mm	1 415
WLY 60/C2/K	•	60 kg	1 g	10 g	500×400 mm	1 415
WLY 120/C2/R		120 kg	2 g	-	500×400 mm	1 415
WLY 120/C2/K		120 kg	2 g	-	500×400 mm	1 415
Extra charge for PGC (only for verified models)						+ 50
Extra charge for dual range version (WLY/F1; WLY/C2 non approved model only)						+ 50

WLC.X2 Precision balances



Model		Max	d	Pan size	Retail Price €
WLC 0.2.X2	•	200 g	0.001 g	Ø 100 mm	624
WLC 0.6.X2	•	600 g	0.01 g	128×128 mm	541
WLC 2.X2	•	2 kg	0.01 g	195×195 mm	582
WLC 6.X2	•	6 kg	0.1 g	195×195 mm	541
WLC 1/10.X2		1 kg / 10 kg	0.01 g / 0.1 g	195×195 mm	624
WLC 10.X2		10 kg	0.1 g	195×195 mm	562
WLC 20.X2		20 kg	0.1 g	195×195 mm	582
WLC 21.X2		21 kg	1 g	195×195 mm	541

 internal calibration

WLC Precision balances



Model	M	Max	d	e	Pan size	Retail Price €
WLC 1/A2		1 kg	0.01 g	-	195×195 mm	343
WLC 2/A2		2 kg	0.01 g	-	195×195 mm	343
WLC 6/A2	•	6 kg	0.1 g	1 g	195×195 mm	322
WLC 10/A2		10 kg	0.1 g	-	195×195 mm	343
WLC 20/A2		20 kg	0.1 g	-	195×195 mm	364
WLC 6/F1/R	•	6 kg	0.1g	1 g	300×300 mm	333
WLC 6/F1/K	•	6 kg	0.1g	1 g	300×300 mm	333
WLC 12/F1/R		12 kg	0.2g	-	300×300 mm	333
WLC 12/F1/K		12 kg	0.2g	-	300×300 mm	333
WLC 30/F1/R		30 kg	0.5g	-	300×300 mm	333
WLC 30/F1/K		30 kg	0.5g	-	300×300 mm	333
WLC 60/C2/R	•	60 kg	1g	10 g	400×500 mm	510
WLC 60/C2/K	•	60 kg	1g	10 g	400×500 mm	510
WLC 120/C2/R		120 kg	2 g	-	400×500 mm	437
WLC 120/C2/K		120 kg	2 g	-	400×500 mm	437
Extra charge for dual range version (WLC/F1; WLC/C2 non approved model only)						+ 50
Extra charge for add display port (only for F1 and C2 models)						+ 5

WLC C/2 Precision balances



Model		M	Max	d	e	Pan size	Retail Price €
WLC 0.6/A1/C/2	•	•	0.6 kg	0.01 g	0.1 g	128×128 mm	374
WLC 1/A2/C/2	•		1 kg	0.01 g	-	195×195 mm	374
WLC 2/A2/C/2	•		2 kg	0.01 g	-	195×195 mm	374
WLC 6/A2/C/2	•	•	6 kg	0.1 g	1 g	195×195 mm	374

WTC Precision balances



Model	M	Max	d	e	Pan size	Retail Price €
WTC 200		200 g	0.001 g	-	Ø 100 mm	260
WTC 600	•	600 g	0.01 g	0.1 g	128×128 mm	218
WTC 600.1		600 g	0.01 g	-	128×128 mm	239
WTC 2000		2000 g	0.01 g	-	128×128 mm	239
WTC 3000		3100 g	0.1 g	-	128×128 mm	239

Drying process visualization
Automatic sample mass control
Complex databases storing samples and drying programs



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Moisture Analyzers

MODERN METHODS OF MOISTURE CONTENT ANALYSIS

MOISTURE ANALYZERS

Functionality of the highest level and professionalism for a drying process and moisture content analysis



Versatility of Applications

Demanding requirements of RADWAG customers has resulted with 3 different series of moisture analyzers, from highly-advanced solutions through standard to basic ones. MA 3Y is designed to enable the most complex measurements, MA X2.A is used for typical applications and MA R address essential needs.

The Ease and Comfort of Operation

Both display and menu structure design make moisture analyzer operation easier and more intuitive. MA 3Y and MA X2.A series are additionally equipped with a touchscreen to your greater comfort.

The Precision of Mass Measurement in all Thermal Conditions.

The special algorithm controlling heating elements operation facilitates maintaining proper drying temperature and ensures fast and precise measurement. Dynamic temperature control method allows to carry out analysis within a relatively short time and to obtain repeatability in the series of drying processes.

Drying Temperature Optimization

RADWAG moisture analyzers, equipped with various heating elements, allow testing moisture content of different samples, i.e. samples characterized with various structures and textures. Diverse drying profiles make use of individual methods for obtaining the preset temperature possible.

Drying Process Visualization

In order to enable full control of the drying process, RADWAG moisture analyzers provide different forms of online process visualization. Depending on the model you can display drying process graph (dynamically drawn drying curve), bargraph for sample mass control or measured value preview (g, %M, %D, %R).

Database as Drying Processes Backup

Possibility of saving all the information on samples and drying processes in database improves drying processes management. Taking advantage of this option you do not have to remember particular parameters' values.



MA 3Y



MA X2.A



MA X2.IC.A



MA R

Maximum capacity [Max]	60 g - 200 g	50 g - 210 g	50 g - 210 g	50 g - 210 g
Readability [d]	0.1 mg - 1 mg	0.1 mg - 1 mg	0.1 mg - 1 mg	0.1 mg - 1 mg
Display	5.7" color touch screen	5" color touch screen	5" color touch screen	LCD (backlit)
Moisture readout accuracy	0.0001 % - 0.001 %	0.0001 % - 0.001 %	0.0001 % - 0.001 %	0.0001 % - 0.001 %
Adjustment	External	External	Internal	External
Drying temperature range	max 160°C, max 250°C*	max 160°C, max 250°C*	max 160°C, max 250°C*	max 160°C, max 250°C*
Weighing pan dimensions	ø90 mm, h = 8 mm	ø90 mm, h = 8 mm	ø90 mm, h = 8 mm	ø90 mm, h = 8 mm
Heating module	IR emitter, halogen*, metal heater*	IR emitter, halogen*, metal heater*	IR emitter, halogen*, metal heater*	IR emitter, halogen*, metal heater*
Automatically opened drying chamber	—	YES	YES	—
Communication Interfaces	RS 232, 2×USB, 4×IN/4×OUT, Ethernet, Wireless Connection	RS 232, USB-A, USB-B, Wireless Connection	RS 232, USB-A, USB-B, Wireless Connection	RS 232, USB-A, USB-B, Wireless Connection*

*option

MA.3Y Moisture analyzers



Additionally option: MA xx.3Y.B



Model	HAL	IR	160°	250°	Max	d	Pan size	Accuracy of moisture readout	Retail Price €
MA 60.3Y		•	•		60 g	0.1 mg	Ø 90 mm	0.0001 %	2 746
MA 200.3Y		•	•		200 g	1 mg	Ø 90 mm	0.001 %	2 746
Surcharge for WH version (halogen emitter max 250°C)									+ 200
Additional charge for MA 3Y.B with wireless terminal									+ 200

HAL halogen lamps **IR** IR emitters **160°** max. temp 160 °C **250°** max. temp 250°

MA.X2.A Moisture analyzers



MA.X2.A series is equipped with innovative system: the drying chamber can be opened and closed automatically using button or proximity sensors

Model	HAL	IR	160°	250°	Max	d	Pan size	Accuracy of moisture readout	Retail Price €
MA 50/1.X2.A		•	•		50 g	0.1 mg	Ø 90 mm	0.0001 %	1 664
MA 200/1.X2.A		•	•		200 g	0.1 mg	Ø 90 mm	0.0001 %	3 328
MA 50.X2.A		•	•		50 g	1 mg	Ø 90 mm	0.001 %	1 560
MA 110.X2.A		•	•		110 g	1 mg	Ø 90 mm	0.001 %	1 612
MA 210.X2.A		•	•		210 g	1 mg	Ø 90 mm	0.001 %	1 664
Surcharge for WH version (halogen emitter max 250°C)									+ 200
Additional charge for MA X2.IC.A (Internal Calibration) models									+ 100

HAL halogen lamps **IR** IR emitters **160°** max. temp 160 °C **250°** max. temp 250°

MA.R Moisture analyzers



Model	HAL	IR	160°	250°	Max	d	Pan size	Accuracy of moisture readout	Retail Price €
MA 50/1.R		•	•		50 g	0.1 mg	Ø 90 mm	0.0001 %	1 144
MA 50.R		•	•		50 g	1 mg	Ø 90 mm	0.001 %	1 040
MA 110.R		•	•		110 g	1 mg	Ø 90 mm	0.001 %	1 092
MA 210.R		•	•		210 g	1 mg	Ø 90 mm	0.001 %	1 144
Surcharge for WH version (halogen emitter max 250°C)									+ 200
Surcharge for NS version (metal heater max 160°C)									+ 200

HAL halogen lamps **IR** IR emitters **160°** max. temp 160 °C **250°** max. temp 250°

Redefined accuracy for heavy loads weighing
Reliability under challenging working conditions
Automatic adjustment system



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HRP

**New Series of High
Resolution Platforms**

PRECISE MEASUREMENT IN INDUSTRY

HRP

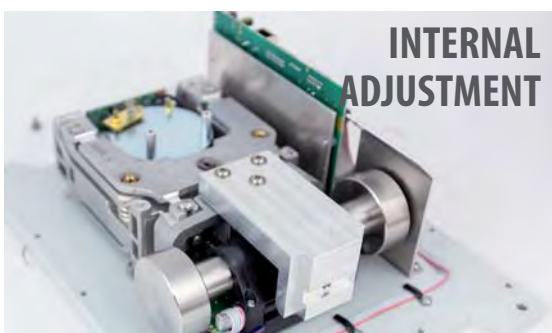
High precision measurement in production processes Vast range of communication ports

HRP PLATFORM DESIGN



HRP platforms have been designed on the basis of electromagnetic mechanisms. They provide accuracy typical for laboratory measurement.

INTERNAL ADJUSTMENT



An internal automatic adjustment system guarantees measurement repeatability and precision even under changing ambient conditions.

HIGH IP RATING



High IP rating, IP67, facilitates operation under the most challenging working conditions such as high humidity and heavy dustiness.

TERMINALS



The HRP platforms can cooperate with PUE 5, PUE HY10 and PUE 7.1 terminals.

Redefined Weighing Accuracy

The HRP is a brand new series of high resolution weighing platforms designed to operate in challenging industrial environment. The platforms enable performance of measurement with resolution so far available for laboratory balances exclusively.

Up-to-date Technology of Electromagnetic Modules

The HRP platform features electromagnetic force compensation module facilitating highly precise measurement. Due to an in-built adjustment mechanism the module guarantees both accuracy and repeatability even for changing ambient conditions.

Wide Capacity Range

The HRP platforms offer wide capacity range starting from a dozen or so kilograms. With this you can select a device that perfectly suits your needs.

Intended for Industry

Powder coated or stainless steel mechanical design and IP67 in-use allow operation even under the most challenging working conditions. System protecting against overloading and mechanical shocks is a warranty of smooth and effective operation.

Vast Range of Communication Ports

The HRP series platforms are independent workstations ensuring precise mass readout and flawless performance of manufacturing processes. Equipped with numerous communication interfaces they can communicate with computer systems, terminals, indicators, large-size displays and PLC controllers.

PC Software

MWMH Manager is a PC software designed to support operation of HRP platforms. It comes standard with the platform and makes its setup easy and intuitive.



HRP

Maximum capacity [Max]	16 kg - 1100 kg
Readability [d]	0.1 g - 10 g
Preload	4 kg - 100 kg
Platform	360×280 mm - 1000×800 mm
Adjustment	internal (automatic)
IP Rating	IP67
Communication interfaces	RS 232, RS 485, Ethernet, Profibus, 3×IN, 2×OUT
Communication protocols	ASCII, Radwag, Modbus
Processes control	Dosing, Checkweighing
Construction	Powder-coated steel / stainless steel

HY10.HRP High Resolution Scales



Model	M17	Max	d	Pan size	Interfaces	Retail Price €
HY10.16.HRP		16 kg	0,1 g	360×280 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	4 360
HY10.32.HRP		32 kg	0,1 g	360×280 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	4 780
HY10.62.HRP		62 kg	0,5 g	500×500 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	5 100
HY10.120.HRP		120 kg	1 g	500×500 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	5 240
HY10.150.HRP		150 kg	1 g	800×600 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	5 320
HY10.300.HRP		300 kg	2 g	800×600 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	6 300
HY10.300.1.HRP		300 kg	2 g	1000×800 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	7 280
HY10.600.HRP		600 kg	5 g	1000×800 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	7 560
HY10.1100.HRP		1100 kg	10 g	1000×800 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	7 840

HY10.HRP.H High Resolution Scales



Model	M17	Max	d	Pan size	Interfaces	Retail Price €
HY10.16.HRP.H		16 kg	0,1 g	360×280 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	4 560
HY10.32.HRP.H		32 kg	0,1 g	360×280 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	4 980
HY10.62.HRP.H		62 kg	0,5 g	500×500 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	6 740
HY10.120.HRP.H		120 kg	1 g	500×500 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	6 880
HY10.150.HRP.H		150 kg	1 g	800×600 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	7 860
HY10.300.HRP.H		300 kg	2 g	800×600 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	8 660
HY10.300.1.HRP.H		300 kg	2 g	1000×800 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	9 100
HY10.600.HRP.H		600 kg	5 g	1000×800 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	9 380
HY10.1100.HRP.H		1100 kg	10 g	1000×800 mm	2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT	9 660

PUE 7.1.HRP High Resolution Scales



Model	Max	d	e	Pan size	Interfaces	Retail Price €
PUE 7.1.16.HRP	16 kg	0,1 g	-	360×280 mm	2×RS 232, 2×USB, Wi-Fi, 1×Ethernet, 4×IN / 4×OUT	3 560
PUE 7.1.32.HRP	32 kg	0,1 g	-	360×280 mm	2×RS 232, 2×USB, Wi-Fi, 1×Ethernet, 4×IN / 4×OUT	3 980
PUE 7.1.62.HRP	62 kg	0,5 g	-	500×500 mm	2×RS 232, 2×USB, Wi-Fi, 1×Ethernet, 4×IN / 4×OUT	4 300
PUE 7.1.120.HRP	120 kg	1 g	-	500×500 mm	2×RS 232, 2×USB, Wi-Fi, 1×Ethernet, 4×IN / 4×OUT	4 440
PUE 7.1.150.HRP	150 kg	1 g	-	800×600 mm	2×RS 232, 2×USB, Wi-Fi, 1×Ethernet, 4×IN / 4×OUT	4 520
PUE 7.1.300.HRP	300 kg	2 g	-	800×600 mm	2×RS 232, 2×USB, Wi-Fi, 1×Ethernet, 4×IN / 4×OUT	5 500
PUE 7.1.300.1.HRP	300 kg	2 g	-	1000×800 mm	2×RS 232, 2×USB, Wi-Fi, 1×Ethernet, 4×IN / 4×OUT	6 480
PUE 7.1.600.HRP	600 kg	5 g	-	1000×800 mm	2×RS 232, 2×USB, Wi-Fi, 1×Ethernet, 4×IN / 4×OUT	6 760
PUE 7.1.1100.HRP	1100 kg	10 g	-	1000×800 mm	2×RS 232, 2×USB, Wi-Fi, 1×Ethernet, 4×IN / 4×OUT	7 040

WPT/O Personal scales for medical application



PUE C31 terminal; III class approved; 3.000e

Model	M	Max	d	e	Retail Price €
WPT 60/150 O	•	60 / 150 kg	20 / 50 g	20 / 50 g	467
WPT 60/150 OW	•	60 / 150 kg	20 / 50 g	20 / 50 g	605
WPT 100/200 O	•	100 / 200 kg	50 / 100 g	50 / 100 g	553
WPT 100/200 OW	•	100 / 200 kg	50 / 100 g	50 / 100 g	691

WPT/D Baby scales for medical application



PUE C31 terminal; III class approved; 3.000e

Model	M	Max	d	e	Retail Price €
WPT 6/15 D	•	6 / 15 kg	2 / 5 g	2 / 5 g	324
WPT 10/20 D	•	10 / 20 kg	5 / 10 g	5 / 10 g	324

WPT/K Chair scales for medical application



PUE C31 terminal; III class approved; 3.000e

Model	M	Max	d	e	Retail Price €
WPT/K 250C	•	250 kg	100 g	100 g	1 244

WPT/4B Bed scales for medical application



PUE C31 terminal; III class approved; 2.500e

Model	M	Max	d	e	Retail Price €
WPT/4B/500C	•	500 kg	200 g	200 g	2 246

WPT/8B Ramps bed scales for medical application



PUE C31 terminal; III class approved; 3.000e

Model	M	Max	d	e	Retail Price €
WPT/8B 300C	•	300 kg	100 g	100 g	2 419

Additional equipment for laboratory balances

Antivibration table SAL/STONE



Antivibration table SAL/STONE is designed for ensuring stable operating conditions in high precision weighing applications. The table top is manufactured from polished granite based on mild steel metal construction. Robust construction of the table along with special vibration absorbers ensure excellent isolation of measuring instruments from possible vibrations, sourcing from environmental factors. Adjusting the level is possible with the use of adjusting feet mounted at the base of the table.

Size of the table (L×W×H): SAL/STONE: 900×650×815 mm

SA/APP: 710×470×225 mm

Compatible with:

- MYA; UYA; XA; AS; PS; WLC; WTC; MA.3Y; MA.X2.A; MA.R series
- APP series (SA/APP table)

Model

ANTIVIBRATION TABLE – Model SAL/STONE/C (mild steel construction)

ANTIVIBRATION TABLE – Model SAL/STONE/H (stainless steel construction)

ANTIVIBRATION TABLE – Model SA/APP/C (mild steel construction)

ANTIVIBRATION TABLE – Model SA/APP/H (stainless steel construction)

Antivibration tables SAL/C. SAL/H. SAP/C. SAP/H



Antivibration table is designed to provide stable working conditions required for high precision weighing. The structure of the table ensures isolation from vibrations occurring during regular operation of a balance. Efficient table functioning is ensured by separating construction of the MDF laquered table from the actual antivibration part featuring a stone plate, which features threaded feet allowing height adjustment.

Size of the table (L×W×H): 770×650×815 mm

Size of the stone plate(L×W×H): 410×270×115 mm

Compatible with:

MYA series;

XA; AS series;

PS; WLC; WTC; MA.3Y; MA.X2; MA.R series

Model

ANTI-VIBRATION TABLE – Model SAL/C (mild steel construction)

ANTI-VIBRATION TABLE – Model SAL/H (stainless steel construction)

ANTI-VIBRATION TABLE – Model SAP/C (mild steel construction)

ANTI-VIBRATION TABLE – Model SAP/H (stainless steel construction)

Professional antivibration weighing table PSW



The professional antivibration weighing table is made of two elements: a table with lockers, and an anti-vibration table with stone top.

The desk is made of MDF plate. It is equipped with two lockers and a sliding shelf for computer, mouse and keyboard installation. There is also place for uninterruptible power supply UPS or power strip. In the rear of the countertop there is a platform for placing a LCD display.

The anti-vibration table is made of mild steel. The stone top is a granite plate with dimensions 410×270×115 mm.

Total dimensions of the professional weighing table with platform for LCD display are 1100×750×1070 mm.

Compatible with:

MYA series;

XA; AS series;

PS; WLC; WTC; MA.3Y; MA.X2; MA.R series

Model

PSW - PROFESSIONAL ANTIVIBRATION WEIGHING TABLE (mild steel construction)

PSW/DUAL - PROFESSIONAL ANTIVIBRATION WEIGHING TABLE (mild steel construction)

LCD additional display



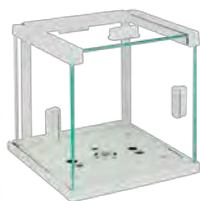
Additional LCD display in plastic housing and a stand for placing on a table.

WD-6 – for balances R series
WD-5/3Y – for balances 3Y, 4Y
WD-4/4 – compatible with PUE 7.1
WD-4/01 compatible with: WLC; PUE/C31

Model

LCD ADDITIONAL DISPLAY (in plastic housing)

Anti draft chamber



Anti draft chamber 153

The shield is designed for balance with weighing pan 128×128 mm. It is an optional equipment for balances operating in unfavourable conditions (breeze, wind). It is installed in place of standard pan protection. It is equipped with top and side sliding doors (free access to weighing pan).

Compatible with:
PS.R (pan size 128x128mm). WLC/A1.

Model

ANTI DRAFT CHAMBER

ANTI DRAFT CHAMBER 153

Glas-made draft shield for balances 128x128



Glass-made draft shield for precision balances with 128 x 128 weighing pan. Designed to prevent the balance from influence of unfavorable ambient conditions (air drafts) at place of use. The glass-made shield is installed instead of the plastic one, it is seated on a positioning pin. Compact design facilitates unrestricted access to the weighing pan.

Compatible with:
PS series with 128x128 weighing pan
WLC.X2 series with 128x128 weighing pan

Model

GLAS-MADE DRAFT SHIELD (for precision balances with 128x128)

Density determination KIT



Designed for analytical and laboratory balances featuring weighing pan: ø85 and ø100 (KIT 85). 128×128 mm (KIT 128) or 195×195 mm (KIT 195). Manufactured in stainless steel.

Applicable for determining density of:
 - solids (by measuring small samples placed on pans);
 - liquids (with application of glass plunger with determined volume).

Model KIT85 compatible with: XA; AS series.

Model KIT128 compatible with: PS series.

Model KIT195 compatible with: PS series.

Model

DENSITY DETERMINATION KIT - Models: KIT85 / KIT128 / KIT195

Ambient condition module – MODEL THB



THB Module



TH-W2 sensor

THB module is a measuring instrument cooperating with the newest line of RADWAG automatic and manual mass comparators. and RADWAG laboratory balances series 3Y and 4Y.

The ambient conditions indications are recalled by pressing a corresponding icon on balance's touch panel. The instrument user can preview ambient conditions using a touch panel of RADWAG weighing instrument.

The ambient conditions module is plugged to the mass comparator or 3Y. 4Y series balance through RS 232 slot. It is easily detachable for calibration and adjustment purposes in user defined time intervals. THB module is accessible for purchasing with the calibration certificate. Additional TH-W2 temperature sensor is intended for pipettes calibration workstation. it is connected directly to the THB module

Compatible with: 3Y and 4Y series. X2 series. mass comparators 4Y.

Model
AMBIENT CONDITION MODULE – Model THB.Y. THB.PC. THB.R. THB.X; 1sensor
Calibration certificate of module THB
TH-W2 Temperature sensor

Adapter for pipettes calibration



11 ml for MYA Series
11 ml for XA.4Y.M,
XA.4Y.M.A



100 ml for
XA and AS
Series



17 ml for XA and AS Series

Additional adapter for pipettes calibration is designed for gravimetric calibration and/or checking of piston pipettes.

The content of the adapter:

- base element;
- special weighing pan;
- measuring vessel;
- "evaporation curtain" vessel;
- glass cover with dosing hole.

11 ml version is compatible with: MYA 21.4Y and MYA 11/52.4Y balance (max >21g)

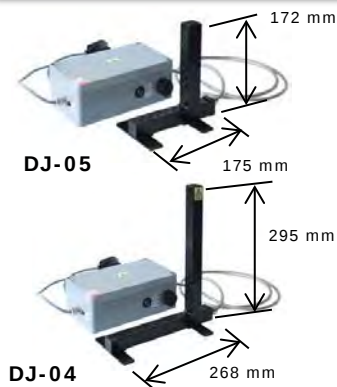
11 ml version is compatible with: XA.4Y.M, XA.4Y.M.A

17 ml version is compatible with: XA.4Y. XA.4Y.A. AS.3Y. AS.R balance series

100 ml version is compatible with: XA.4Y (excluding XA 52.4Y.A). AS.3Y. AS.R balance series

Model
Adapter for Pipettes calibration 11 ml for MYA 21.4Y; MYA 11/52.4Y (max >21g)
Adapter for Pipettes calibration 11 ml for XA.4Y.M; XA.4Y.M.A
Adapter for Pipettes calibration ~17 ml for XA.4Y; XA.4Y.A; AS.3Y; AS.R
Adapter for Pipettes calibration 100 ml for XA.4Y; XA.4Y.A; AS.3Y; AS.R

Antistatic ionizer



Antistatic ionizer is used to remove overflow of plus ions mainly. minus ions from the load as well and elements of balance and environment. Electric charges of air are neutralized what give quasi-balance of plus and minus ions.

Unbalance of plus and minus ions in the air can cause unwanted electric influences (attraction or repulsion) of elements which are in small distances to each other. It is usual for non-conducting materials (plastic. glass). Some of the elements of balance are made of plastic and glass. This problem can affect the balances. Usually this problem appears as multiply repeatability error or as multiply error of indications.

Model DJ-05 compatible with: MYA series

Model DJ-04 compatible with: XA; AS series.

Model
ANTISTATIC IONIZER - Models: DJ-05 / DJ-04

Power adaptor with battery and charger



The power adaptor ZR-02 is designed for powering balances in areas with no access to mains. It features a built-in charger.

Compatible with:

3Y, 4Y, X2 series - 5h balance operation time

AS.R; PS.R - 8h balance operation time

Model

POWER ADAPTOR WITH BATTERY AND CHARGER - Model ZR-02

Disposable pans



Designed for moisture analyzers. available as a set of 50 pieces.

Compatible with:

MA.3Y; MA.X2.A; MA.R moisture analyzers

Model

DISPOSABLE PANS (Set of 50 pcs)

Set for determination of water vapour permeability



Set is used for determination of water vapour permeability with various materials. like: clothes. knitted fabric. leather. Permeability of water vapour is a feature which directly determines quality and application possibility of specific material. like clothes. shoes. etc. If they are manufactured from improper materials. with incorrect permeability. they may be unhealthy and unpleasant in use. Using the set with application of moisture analyzer series MA.3Y. MA.X2.A or MA.R the testing procedure gets shortened from 72 hours to just 50 minutes.

Compatible with:

MA.3Y; MA.X2.A; MA.R moisture analyzer

Model

SET FOR DETERMINATION OF WATER VAPOUR PERMEABILITY

Control thermometer set for RADWAG moisture analyzer



Designed for moisture analyzers – model MA.3Y. MA.X2.A. MA.R. It enables measurement of temperature with a probe installed on a cable. The control thermometer features fully waterproof casing and automatic switch-off function. preventing from battery discharging. Powered from batteries: 3 x 1.5V (LR44).

Compatible with:

MA.3Y. MA.X2.A; MA.R moisture analyzers

Model

CONTROL THERMOMETER GT105k-12/Z

Calibration certificate of thermometer GT 105k-12/Z *

* - up to 4 weeks

Suitcase for laboratory balances



Suitcase for laboratory balances.

Compatible with:
MA.R. MA.X2.A. MA.3Y.
PS.R1. PS.R2. PS.3Y. PS.X2. WLC.A2. WTC

PS. WLC. WTC

Model

Suitcase for MA.R. MA.X2.A. MA.3Y

Suitcase for PS.R1. PS.R2. PS.3Y. PS.X2. WLC.A2. WTC

Other models of laboratory balances

USB cable for balances R series



Compatible with:
- Balances R series

Model

USB Cable type A to B

USB Cable type A to A

RS 232 cable (Balance - Computer)



Compatible with:
All RADWAG balances and scales.

Model

RS 232 CABLE (BALANCE - COMPUTER) - Model P0108

RS 232 cable (Balance – EPSON printer)



Compatible with:
MYA; XA.4Y; AS.3Y; PS.3Y; APP.3Y.

Model

RS 232 CABLE (BALANCE – EPSON PRINTER) - Model P0151

Car lighter 12V cable



Cable for plugging to car lighter 12V.

Compatible with:
WLY; PUE7.1 series.
WLC; WTC series.

Model

CAR LIGHTER 12V CABLE - Model K0047

Wall mounting kit



PUE-7-32

PUE-7-36

Wall mounting kit model PUE-7-32 is designed for easy mounting of the PUE 7 indicator on wall. The kit can be mounted in two ways, depending on expected angle of tilt of the indicator display.

Compatible with:

PS.3Y; APP.4Y; WLY; PUE7.1. PUE C32

Model

WALL MOUNTING KIT - Model PUE—7-32

WALL MOUNTING KIT - Model PUE—7-36

Plastic protective cover



Cable for protective grounding of balances and scales. Facilitates removing electrostatic charges.

Compatible with:

- AS.R
- PS.R
- Balances 3Y series
- Balances X2 series

Model

Plastic protective cover for AS.R (set of 10pcs)

Plastic protective cover for PS.R (set of 10pcs)

Plastic protective cover for 3Y. 4Y (set of 10pcs)

Plastic protective cover for X2 (set of 10pcs)

Protective cover for balances



A1

A2

Protective cover is made of transparent plastic. secures a balance housing against scratches. dust etc. It is intended for balances A1 and A2 type.

Compatible with:

- **PS.R. WLC/C/2. WLC**

Model

Protective cover for balances – pan size 128x128 (A1) – 1 psc

Protective cover for balances – pan size 195x195 (A2) – 1 psc

Barcode scanner



Barcode scanner model LS 2208. manufactured by Symbol. is a high quality. hand-held scanner for laser scanning of bar codes. Its main features are very good ergonomics. small dimensions and light weight.

Barcode scanner is applicable in weighing systems for:

- Quick assortment choice in weighing systems;
- Quick operator choice in weighing systems.

Compatible with:

3Y series. 4Y series; WLY. PUE7.1.

Model

BARCODE SCANNER - Model SYMBOL LS2208

Power loop output



RADWAG power loop module 4-20mA is designed for conversion of digital form of mass readout into analog one. Power output is a passive module. i.e. requires external power supply 24 VDC on power loop.

The power loop module can reflect on its output mass indication as:

- direct value (no mark recognition)
- only positive values
- value with mark recognition

Compatible with:

3Y series; WLY; PUE7.1; AS.R; PS.R; APP.R; WLC; WTC.

Model

POWER LOOP OUTPUT - Model AP2-1 (plastic housing)

Module for connection add platform to balance



DP-2 Module is designed to increase the functionality of an indicator model PUE 7. With application of the DP2 module. it is possible to connect additional platform to the existing scale. The DP-2 module is installed inside the housing of indicator PUE 7.

Compatible with:

WLY; PUE7.1.

Model

MODULE FOR CONNECTION ADD PLATFORM TO BALANCE – Model DP-2

Power supply for balances



SYS1544

Power Supply SYS1319 (with one cable suitable for use in EU. UK or US)

Power Supply SYS1561 (with four plugs - EU. UK. US. JP)

Compatible with:

- SYS1544 for 3Y. 4Y series balances / PUE7.1
- SYS1561 for X2 and R series balances / WLC / PUE C31

SYS1561

Model

Power Supply SYS1544 (for 3Y / PUE7)

Power Supply SYS1561 (for R / WLC / PUE C/31)

Fabric dust cover



Fabric dust cover for MA.X2 and MA.R.

Compatible with:

- MA.X2.A. MA.R

Model

Fabric dust cover for MA.X2

Fabric dust cover for MA.R

Label printer ZEBRA



ZEBRA label printers are thermal printers used for printing labels. The printers are intended for cooperation with PUE C41H indicators and PUE 5, PUE 7, PUE HY terminals.

Zebra's **G-Series compact desktop printers** for print width up to 104 mm deliver best-in-class speed and performance. From the basic GK™ model to the feature-rich GX™ model, the G-Series printers are reliable, durable, and flexible to fit almost any low- to mid-volume printing application and budget.

Built with Zebra durability and reliability, the G-Series GK model provides the best value of all basic desktop thermal printers, while the premier GX model supports a variety of industries and applications with the widest range of features. Choose the space-saving direct thermal version of either model for the smallest footprint of any 104 mm desktop printer, or the direct thermal/thermal transfer version to save users time with the easiest ribbon-loading system available. With both EPL™ and ZPL® programming languages native on all models, G-Series printers fit in perfectly with other Zebra printers. And a variety of connectivity options makes them easy to integrate into existing local or networked systems. Zebra's G-Series printers are a smart investment, and always a perfect fit.



Whether you are adopting barcode technology for the first time or upgrading existing printer models, **the ZT200 series** is the right choice for a variety of labeling applications. This innovative new printer provides many user benefits. The ZT200 series offers a streamlined design and smaller dimension that takes up less physical space than the Stripe and S4M models. ZT200 series printers require minimal operator training and benefit from tool-less standard component maintenance and a durable design to minimize service. Your IT staff will appreciate the backwards compatibility, since it allows for new printers to be up and running with minimal time and effort.

The ZM400 printers bring added flexibility to the popular Z Series platform, which has always stood out from the competition in terms of both performance and price. The brand new design offers wider selection of interfaces and easier maintenance which makes it flexible to fit wide range of warehouse/manufacturing and business applications.

The ZM400 is better connected to the network through USB 2.0, 802.11b/g secure wireless, or ZebraNet® 10/100 Print Server that allows simultaneous parallel and Ethernet connectivity. The printers are better connected to applications with RFID Ready investment protection, choice of print resolution including 200, 300 or 600 dpi, and XML-Enabled printing as a standard feature. The brand new Z Series satisfies the client's needs with easy loading systems of both, thermal transfer ribbon and labels, and with easy setup via large LCD display with streamlined maintenance of printhead and platen.

Model
Label printer GK 420d - standard (nr: GK42-202520-000)
Label printer GK 420t - standard RS+USB+Centronics (nr: GK42-102520-000)
Label printer GX 420d - 203dpi Centronics (nr: GX42-202520-000)
Label printer GX 420t – standard (nr: GX42-102520-000)
Label printer GX 430t – standard (nr: GX43-102520-000)
Label printer ZT 220 – 203 dpi trr internal ZebraNet Printserver 10/100 (nr: ZT22042-T0E200FZ)
Label printer ZM 400 – 203 dpi internal printserver ZebraNet 10/100 (nr: ZM400-200E-0100T)

Dot-Matrix printer EPSON



EPSON impact printers (dot-matrix). also known as receipt printers. are applicable for printing on paper 58, 70 or 76 mm in width. They are designed for printing receipt in cooperation with weighing systems (counting and labelling systems). Epson impact printers are connectable to all RADWAG scales equipped with RS232 interface.

Model
Needle printer Epson TM-U220A
Needle printer Epson TM-U220B
Needle printer Epson TM-U220D

Thermal receipt printer EPSON



Epson's cost-effective TM-T20II Point-of-Sale (POS) thermal receipt printer is the latest addition to Epson's line of energy-efficient POS printers. Based on Epson's advanced printing technology. TM-T20II was designed specifically to meet the needs of low volume retailers with basic POS printing functionality, high reliability and ease-of-use features.

Interface: USB 2.0, Serial RS-232, Ethernet

Paper dimensions: 3.13" $\pm$ 0.02" x 3.27" diameter (79.5 $\pm$ 0.5(W) x 83.0mm)

2.26" $\pm$ 0.02" x 3.27" diameter (57.5 $\pm$ 0.5(W) x 83mm)

Overall dimensions: 5.51" x 7.83" x 5.75" (140 x 199 x 146 mm) (W x D x H)

Model
TM-T20II POS Receipt Printer

Under-hook weighing rack



A rack for under-hook weighing intended for balances featuring weighing pans with $\varnothing$ 70, $\varnothing$ 85, 128x128 i 195x195 mm.

The rack is designed for weighing loads requiring carrying out the measuring process outside the main weighing platform, e.g. loads with non-standard dimensions and sizes and those generating a magnetic field. The rack also facilitates determining density of loads.

The rack is available in powder coated mild steel finishing, its height is 305 mm.

Model
Under-hook weighing rack

UL - RADWAG Laboratory Holders for Analytical Balances



Radwag Laboratory Holders have been designed for faster and more convenient weighing. They ensure perfect and secure fixing of small vessels, both typical and non-standard shapes.

Product highlights:

- Full ergonomics of weighing
- Direct dosing of a sample into a vessel
- High work efficiency, lower costs (minimizing possible loss of samples resulting from moving)
- Direct dosing of samples into various samples (test tubes, round flasks, flat flasks, plastic test-tubes, titration vessels)

Laboratory holders are compatible with all analytical balances made by Radwag: XA.4Y, AS.3Y.



UL-01



UL-02



UL-03



UL-04

Model	Application
UL-01	glass and plastic tubes, filters, various vessels
UL-02	glass and plastic tubes $\varnothing 8$, $\varnothing 10$, $\varnothing 12$ mm
UL-03	round bottom measuring flask 50ml, 100ml, 250 ml
UL-04	flat bottom measuring flask 50ml, 100 ml

Modular E2R PC Software



E2R is a modern, fully integrated software for weighing systems, cooperating with RADWAG devices. Due to the innovative and extensive functionality of its modules, E2R ensures complex support and automation of the industrial processes and supervision over them.

Advanced functions allow identifying the production flow and monitoring the current status of the devices enabling insight in comprehensive analysis and evaluation of the archived production. The innovative technology guarantees the highest reliability of system's operation and stored information security. The data recorded on the scale is sent to a computer database based on Microsoft SQL. E2R system offers the possibility of cooperation when it comes to exchange of data with external IT systems. E2R is a user-friendly and intuitive software providing extensive functionality and comfort of use.



THE WEIGHING RECORDS MODULE allows record and reporting of single weighings, transactions and orders.

The application is useful where identification and record of products and packaging wear is crucial, and wherever weighing is part of production, monitoring, logistics, purchasing, selling and other processes. The module guarantees support for parts counting, labelling and transactions operations. Complex mechanisms of advanced reporting allow to create different kinds of reports and graphs.



THE FORMULATIONS MODULE facilitates complex process of formulation and production orders' ingredients dosing.

The software allows you to define formulations (option of declaring tolerance thresholds, ingredients order and place of particular ingredient dosing is available). Advanced functions allow to identify and record formulation ingredients use in a warehouse. *E2R Formulations* application enables preparing reports on completed formulations, production orders and inventory.



THE PGC MODULE supports PGC control performance and archiving.

The system allows you to monitor state of particular balances in real time. Additionally it offers control function which enables you to start or stop control by means of a computer, and option of scheduled control. This module is dedicated for those companies which have to inspect their prepacked goods in accordance with the internal quality control system, and *WELMEC Guide for Packers and Importers of e-marked Prepacked Products* and Directive 76/211/EEC.



THE SQC MODULE allows statistical quality control for a product batch.

SQC module provides comprehensive support with option of real time monitoring of the weighing stations carrying out statistical control. The information sent in real time allows to identify the errors immediately. The application supports functions such as control orders and SQC control schedule. Advanced report functions enable to analyse production statistics, particular controls and alarms history.



THE MOISTURE ANALYZER MODULE allows record of all measurements performed on RADWAG moisture analyzers.

On the basis of the processed data you can generate both graphs on temperature changes, mass and results, and reports on drying processes. This software is mostly used in laboratories equipped with Radwag moisture analyzers and plants where a need for real time monitoring of the final production process is a must.



THE WEIGHING MODULE enables recording of weighing processes carried out on weighing terminals designed for fast +/- control.

Such configuration minimizes operator's activity during weighing process. E2R weighing module is vastly applicable in plants with large processing lines, where quick collection of large amount of data from multiple scales is required.



THE CHECKWEIGHER MODULE supports record of measurements carried out on dynamic scales.

The data from the checkweigher is sent to a computer database. The software is intended for customers who require record of weighings or controls including PGC control carried on dynamic scales. It offers real time preview of dynamic scales state. The application allows making complex statistics reports generated on the basis of weighings acquired in a specified period of time from dynamic scales.

License (lifetime)

E2R System Modules	Price (EUR net) per module	Price (EUR net) per scale
E2R Weighing Records	500	+ 125
E2R PGC	500	+ 125
E2R SQC	500	+ 125
E2R Moisture Analyzer	250	+ 125
E2R Formulations	1 250	+ 250
E2R Weighing	2 500	+ 125
E2R Checkweigher	500	+ 125
Installation of the software (Remote or on site)		Individual calculation

Upgrade

E2R System Modules	Price (EUR net) per module	Price (EUR net) per scale
E2R Weighing Records	250	+ 60
E2R PGC	250	+ 60
E2R SQC	250	+ 60
E2R Moisture Analyzer	125	+ 60
E2R Formulations	625	+ 125
E2R Weighing	1 250	+ 60
E2R Checkweigher	250	+ 60
Upgrade (Remote or on site)		Individual calculation

R-LAB Balance & Scale Software

R-Lab is an up-to-date program offering acquisition of measurements sent from RADWAG-manufactured balances. their presentation and statistical analysis. The program allows reports and graphs generating and customization

R-Lab is compatible with all models of RADWAG-manufactured balances and scales.

R-Lab software enables export of balance data to a computer.

It supports the following file formats:

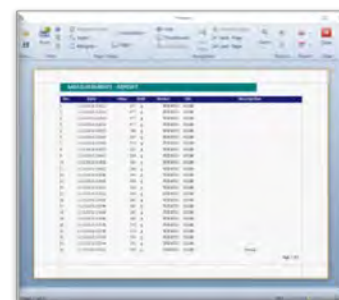
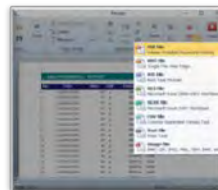
- PDF
- MHT (Web)
- RTF
- XLS (Excel 2000 - 2003)
- XLSX (Excel 2007)
- CSV (Comma-separated values)
- Text or graphic file formats

Data visualization measurements presented in a graphic form:

- Measurements graph with statistics data
- Gaussian distribution function and bar graph
- Stability graph – difference between successive measurements
- All in one graph

Reports for particular measurement series

- Filtering current measurements by date, mass, unit, description, etc..
- Display of date-specified measurements.
- Session-based measurement reports.
- Filtering measurements by list of devices



Indefinite license

Software / service

R-LAB SOFTWARE – One Balance (Scale) licence. max 1000 weighings

R-LAB SOFTWARE – Weighings quantity is unlimited while purchasing two and more balances

Annual Subscription

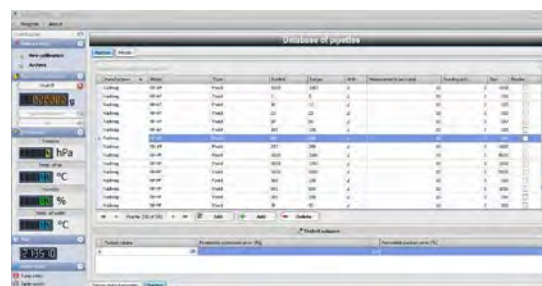
Software / service

RLAB – e-mail support

Pippetes PC software

Computer Software PIPETTES is designed for determination of volume measurement errors of pipettes (batchers) in accordance with the standard ISO 8655. The software supports calibration of fixed volume pipettes (single channel) and variable volume pipettes (1, 8, 12 channel).

The program contains both defined database of information on RADWAG pipettes and also enables defining your own models.



Software / service

PIPETTES PC SOFTWARE

RDS – Developer support

RADWAG Development Studio is a software intended for companies willing to develop their own tools for communication with **RADWAG-manufactured** weighing equipment. The purpose of **RDS** is to familiarize customers with solutions used while developing **RADWAG** communication protocol (Common Communication Protocol). **RDS** contains examples of finished code and additional instructions which allow to simplify and accelerate development of new software. **RDS** is all a programmer needs to design software which enables error-free communication with our equipment.

Monthly subscription

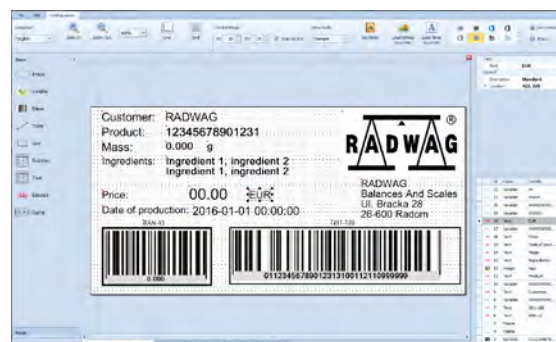
Software / service

RDS – e-mail support

Label Editor R02 PC software

Label Editor R02 is an application intended for designing labels for the following weighing instruments: WPW, PUE 5.15, PUE 5.19, WLY, WPY and HY10.

Label Editor R02 is used while designing labels for scales operating in labelling, counting, dosing and formula making systems, and also for multifunctional single and dual range scales or balances.



Indefinite license

Software / service

Label Editor R02

Label Editor R02 - update

Annual Subscription

Software / service

Label Editor R02 – e-mail support

Calibration services for balances

CALIBRATION OF WEIGHING INSTRUMENTS

Standard calibration of weighing instruments /covered by accreditation/ refers to determining error of indication in maximally 5 measuring points and eccentricity error of a load placed on instrument's weighing pan. In addition, it is possible to carry out a test on dispersion of indications for 50 % Max and 100 % Max capacity and assessment of conformity with standard EN 45501:1999 "Metrological Requirements for Non-Automatic Weighing Instruments" and European Council Directive 90/384/EEC "Metrological Requirements for Non-Automatic Weighing Instruments".

Calibration and recalibration of balances & scales at RADWAG POLAND factory		Price for standard calibration certificate (€)
Weighing range		
Ultra- and microbalances	$d \geq 0.1 \mu\text{g}$; max 50g	150
Analytical balances	$d \geq 0.01 \text{mg}$; max 500g	100
Precision balances & industrial scales	;max 0kg - 60kg	60
Precision balances & industrial scales	;max 61kg - 300kg	90
Industrial scales	;max 300kg - 3000kg	190
Additional services		
Preparation for recalibration (adjustment; cleaning; function test)		20
Digital calibration certificate (PDF file)		10
Minimal weight of sample indication (USP)		10

Validation services

Radwag as a renown manufacturer of weighing instruments and weighing systems, among its products and services, offers validation (also known as qualification process) of mass measuring equipment. The offer is directed towards clients in pharmaceutical sector, and it comprises preparation of documentation and carrying out each step of validation process with participation of RADWAG representative:

Installation Qualification (IQ) – process which verifies whether weighing instruments or weighing systems have been installed in accordance with user requirements and manufacturer's documentation, and checks if all documentation has been supplied by the manufacturer.

Operational (OQ) and Process Qualification (PQ) – process which evaluates performance of weighing instruments and weighing systems, their correct operation in accordance with declared technical specification and established acceptance criteria.

RADWAG offers you complete and professional support in carrying out qualification process on new weighing instruments and systems or those already utilized on site. Please contact RADWAG to obtain more information regarding calibration and validation of weighing instruments.



Model

Validation services (IQ, OQ, PQ)

Calibration services for pipettes

CALIBRATION OF PIPETTES

Calibration of piston pipettes covers determining indication error of a pipette in a tested volume with determining the expanded uncertainty and issuing certificate of calibration.

Calibration is carried out using gravimetric method, in accordance with standard ISO 8655-6. Additionally, a certificate of calibration can specify calculation of errors and their results as listed in the standard ISO 8655:

- Systematic error e_s – determined in $[\mu\text{l}]$ units and in $[\%]$
- Random error – determined as standard deviation S_p in $[\mu\text{l}]$ units and CV expressed in $[\%]$

Pipette volume	Price for one pc for standard calibration certificate (€)
	Adjustable volume
$1 \mu\text{l} \leq V < 10 \mu\text{l}$	40
$10 \mu\text{l} \leq V \leq 100 \mu\text{l}$	30
$100 \mu\text{l} \leq V \leq 5000 \mu\text{l}$	20

Fully autoclavable automatic pipettes

RADWAG pipettes are modern measuring equipment designed and manufactured in accordance with strict standards concerning manufacturing cleanliness and biodegradability of the product.

The pipettes represent a new line of the 'liquid handling' product group. designed to quickly measure and transport liquids of small volume. They are characterized by high dosing accuracy and ergonomic, solid design. The pipette mechanism ensures exceptional accuracy and repeatability with reduced pressure on the pipetting button.

All the pipettes are inspected for the conformity with the requirements of PN-EN ISO 8655 standard for dosing accuracy and repeatability. Each pipette is delivered with a test report featuring measurements results. The enclosed user manual contains a description of the pipetting techniques as well as verification and adjustment procedures that can be carried out by the user.

Calibration certificates, issued by the accredited calibration laboratory are available on request.

Features:

- Large and readable display that is fully visible during pipetting;
- Innovative soft grip preventing heat transfer to the pipette inside;
- Low pressure required to use the pipette reduces the risk of RSI;
- Simple click mechanism for changing the pipette volume;
- Option of autoclaving the whole pipette (disassembling not required).
Recommended autoclaving process: 15 minutes at 121°C temperature. 1.05 bar pressure;
- Tip ejector collar is made of PVDF which has a high chemical resistance (also at high temperatures) and low susceptibility to microorganisms expansion;
- Ultra UV resistance;
- Convenient button for changing the tips;
- Compatible with most of the tips available on the market.



Model	Volume	Systematic error	Random error	Tips	Retail Price €
RW8-101-20-9	0.5 µl – 10 µl	2.50% / 1.00 %	1.50% / 0.80 %	10 µl	140
RW8-102-20-9	2 µl - 20 µl	3.00% / 0.90 %	2.00% / 0.40 %	300 µl	140
RW8-103-20-9	5 µl - 50 µl	2.00% / 0.60 %	2.00% / 0.30 %	300 µl	140
RW8-104-20-9	10 µl - 100 µl	3.00% / 0.80 %	1.50% / 0.15 %	300 µl	140
RW8-105-20-9	20 µl - 200 µl	2.00% / 0.60 %	0.80% / 0.15 %	300 µl	140
RW8-106-20-9	100 µl - 1000 µl	2.00% / 0.60 %	0.70% / 0.20 %	1000 µl	140
RW8-107-20-9	1000 µl - 5000 µl	2.00% / 0.50 %	0.60% / 0.15 %	5000 µl	140
Additional charge for verification of new pipettes					+ 13

Additional Equipment for automatic pipettes

OMNITIP - Sets

Model	Volume	Set content
ST 10	10 µl	box + 6 racks + 576 tips (starter)
ST 300	300 µl	box + 6 racks + 576 tips (starter)
ST 1000	1000 µl	box + 3 racks + 288 tips (starter)
BT 10	10 µl	1000 tips (bulk)
BT 300	300 µl	1000 tips (bulk)
BT 1000	1000 µl	250 tips (bulk)
BT 5000	5000 µl	150 tips (bulk)
GILSON 5000	5000 µl	250 tips (bulk)
MEDLAB 5000	5000 µl	200 tips (bulk)



Stands for pipettes

Model	Specification
SA 100	white plastic stand for 4 pipettes





RADWAG Export Department

28 Bracka Street
26-600 RADOM

Tel: +48 48 384 88 00 ext 205

e-mail: export@radwag.com

WWW.RADWAG.COM