RADWAG®

Laboratory Balances
Advanced Weighing Technologies

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5Y SERIES

	Ultra-microbalances	Microbalances	Microbalances	Analytical balances
Technical specifications	**UYA 5Y** **UYA 5Y.F** for filters	**MYA 5Y** **MYA 5Y.P** for pipettes **MYA 5Y.F** for filters **MYA 5Y.F1** for filters	**XA 5Y.M.A** **XA 5Y.M*** **XA 5Y.M.A.P** for pipettes **XA 5Y.M.A.S** for stents	**XA 5Y.A** **XA 5Y*** **XA 5Y.F*** for filters
Maximum capacity [Max]	2.1 – 6.1 g	0.8 – 52 g	6 g – 53 g	41 – 520 g
Readability [d]	0.1 µg	1 – 10 µg	1 – 5 µg	0.002 – 0.1 mg
Standard repeatability [5% Max]*	0.15 – 0.2 µg	0.8 – 1.2 µg	0.8 – 2.2 µg	0.002 – 0.07 mg
Stabilization time*	10 - 20 s	3.5 s	~ 3,5 s	1.3 – 4 s, 30 s**
Adjustment	Internal	Internal	Internal	Internal
Levelling system	Automatic – Reflex Level System	Automatic – Reflex Level System	Automatic – Reflex Level System *Semi-automatic LevelSENSING	Automatic – Reflex Level System *Semi-automatic LevelSENSING
Display	10" colour touchscreen	10" colour touchscreen	10" colour touchscreen	10" colour touchscreen
Weighing pan dimensions	UYA 5Y – ø16 mm UYA 5Y.F – ø70 for filters + ø16 mm	MYA 5Y – ø16, ø26, ø40, ø70 for filters MYA 5Y.P – ø26 mm MYA 5Y.F – ø70 for filters + ø16 mm MYA 5Y.F1 – ø160 for filters + ø26 mm	XA 5Y.M.A – ø30 mm XA 5Y.M – ø30 mm XA 5Y.M.A.P – ø26 mm XA 5Y.M.A.S – ø30 mm + intended for stents	XA 5Y.A – ø64, ø90, ø100, ø85 (option) mm XA 5Y – ø90, ø100, ø85 (option) mm XA 5Y.F – ø90, ø85 (option), 210×254 mm for filters
Communication interfaces	USB-A ×2, USB-C, HDMI, Ethernet, RS232, Wi-Fi®****, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, RS232, Wi-Fi®****, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, RS232, Wi-Fi®****, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, RS232, Wi-Fi®****, Hotspot

*semi-automatic LevelSENSING Levelling System   **for filters   ***for moisture analyzers, the given values of other parameters   ****Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

X7 SERIES

	Analytical balances	Precision balances	Precision balances	Moisture Analyzers
Technical specifications	**AS X7**	**PS X7**	**WLC X7**	**MA X7.A**
Maximum capacity [Max]	60 – 3100 g	200 – 10100 g	0.2 – 21 kg	50 – 210 g
Readability [d]	0.01 – 1 mg	1 – 10 mg	0.001 – 1 g	0.1 – 1 mg
Standard repeatability [5% Max]*	0.01 – 0.5 mg	0.5 – 5 mg	0.0014 – 0.8 g	MCR 0.001 – 0.0001 %***
Stabilization time*	2 – 2.5 s	1.5 – 3 s	2 – 4 s	Drying temp. range max 160°C, 250°C
Adjustment	Internal	Internal	Internal (up to 6 kg), External	Internal, external
Levelling system	Semi-automatic LevelSENSING	Manual	Manual	Manual
Display	7" colour touchscreen	7" colour touchscreen	7" colour touchscreen	7" colour touchscreen
Weighing pan dimensions	ø90, ø100, ø85 (option) mm	128×128, 195×195	195×195, ø100 mm	ø90 mm, h = 8 mm
Communication interfaces	RS232×2, USB-A×2, USB-B, Ethernet, Wi-Fi®**	RS232×2, USB-A, USB-B, Ethernet, Wi-Fi®**	RS232×2, USB-A, USB-B, Ethernet, Wi-Fi®**	RS232, USB-A, USB-B, Ethernet, Wi-Fi®**

*for moisture analyzers, the given values of other parameters   **Wi-Fi® is a registered trademark of Wi-Fi Alliance®   ***Moisture Content Readability.

Analytical balances	Precision balances	Precision balances	Moisture Analyzers	Moisture Analyzers
AS 5Y	**PS 5Y**	**5Y.PM**	**PMV 5Y** microwave	**MA 5Y**

60 – 3100 g	200 – 10100 g	10 – 120 kg	50 g	50 – 210 g
0.01 – 1 mg	1 mg – 10 mg	0.01 – 0.2 g	0.1 mg	0.1 – 1 mg
0.01 – 0.5 mg	0.5 – 5 mg	0.004 – 0.082 g	MCR 0.0001 %*****	MCR 0.001 – 0.0001 %*****
2 – 3 s	1.5 – 3 s	1 s	Heating power 800 W	Drying temp. range max 160 °C, 250 °C
Internal	Internal	Internal	External	Internal, external
Semi-automatic LevelSENSING	Semi-automatic LevelSENSING	Semi-automatic LevelSENSING	Semi-automatic LevelSENSING	Semi-automatic LevelSENSING
10" colour touchscreen	10" colour touchscreen	10" colour touchscreen	10" colour touchscreen	10" colour touchscreen
ø90, ø100, ø85 (option) mm	128×128, 195×195 mm	200×185, 350×260, 400×500 mm	Intended for glass fibre filter ø 90 mm	ø90 mm, h = 8 mm
USB-A ×2, USB-C, HDMI, Ethernet, RS232, Wi-Fi®****, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, RS232, Wi-Fi®****, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, RS232, Wi-Fi®****, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, RS232, Wi-Fi®****, Hotspot	USB-A ×2, USB-C, HDMI, Ethernet, RS232, Wi-Fi®****, Hotspot

*****Moisture Content Readability.

R SERIES

Technical specifications	Analytical balances	Precision balances	Precision balances	Moisture Analyzers
	AS R1 PLUS **AS R2 PLUS**	**PS R1** **PS R2**	**PS R2.H** hermetic interfaces	**MA R**
Maximum capacity [Max]	60 – 520 g	200 – 10100 g	200 – 6100 g	50 – 210 g
Readability [d]	0.01 – 0.1 mg	1 mg – 10 mg	1 mg – 10 mg	0.1 – 1 mg
Standard repeatability [5% Max]*	0.012 – 0.08 mg	0.5 – 8 mg	0.5 – 5 mg	MCR 0.001 – 0.0001 %***
Stabilization time*	2 – 2.5 s	1.5 – 2 s	1.5 – 2 s	Drying temp. range max 160°C, 250°C
Adjustment	R2 – Internal, R1 - External	R2 – Internal, R1 - External	Internal	External
Levelling system	Manual	Manual	Manual	Manual
Display	5.3" LCD (backlit)	5.3" LCD (backlit)	5.3" LCD (backlit)	5.3" LCD (backlit)
Weighing pan dimensions	ø90, ø100, ø85 (option) mm	128×128, 195×195 mm	ø100, 195×195 mm	ø90 mm, h = 8 mm
Communication interfaces	RS232 ×2, USB-A, USB-B, Wi-Fi®**	RS232 ×2, USB-A, USB-B, Wi-Fi®**	Hermetic: RS23×2, USB-A, USB-B, Wi-Fi®**	RS232, USB-A, USB-B, Wi-Fi®**

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OTHER LABORATORY BALANCES

Technical specifications	Precision balances CY10	Precision balances C32.PM	Precision balances WLY	Precision balances WLC C/2 WLC WTC
Maximum capacity [Max]	1 – 120 kg	10 – 120 kg	1 – 120 kg	0.2 – 120 kg
Readability [d]	0.01 g – 2 g	0.01 – 1 g	0.01 – 2 g	0.001 – 2 g
Standard repeatability [5% Max]	0.03 –2 g	0.004 – 0.41 g	0.03 – 2 g	0.002 – 2 g
Stabilization time	3 s	1 s	3 s	2 – 3 s
Adjustment	External	Internal	External	Internal , external
Levelling system	Manual	Manual	Manual	Manual
Display	10" colour touchscreen	5" colour	5.7" colour touchscreen	4.3" LCD (backlit)
Weighing pan dimensions	195×195, 300×300, 400×500 mm	200×185, 350×260, 400×500 mm	195×195, 300×300, 400×500 mm	128×128, 195×195, 300×300, 400×500 ø100 mm
Communication interfaces	USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi®*, Hotspot	2×RS232, USB-A, USB-B, Ethernet, 4IN/4OUT (digital), Wi-Fi®*	2×RS232, 2×USB-A, Ethernet, 4IN/4OUT (digital), Wi-Fi®*	2×RS232, USB-A, USB-B, 4IN/4OUT

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