



More information on the website
radwag.com/en/info,w1,AYW

MA 110.R Moisture Analyzer, MA 210.R Moisture Analyzer, MA 110.R.NS Moisture Analyzer,
MA 210.R.WH Moisture Analyzer, MA 110.R.WH Moisture Analyzer, MA 210.R.NS Moisture
Analyzer



MA 110.R Moisture Analyzer
MA 210.R Moisture Analyzer
MA 110.R.NS Moisture Analyzer
MA 210.R.WH Moisture Analyzer
MA 110.R.WH Moisture Analyzer
MA 210.R.NS Moisture Analyzer

The drawings, photos and graphics used are for illustrative purposes only.

Functions



Autotest



Statistics



GLP Procedures



Replaceable unit



Statistical Quality Control



ALIBI Memory



Drying modes



Samples drying



Moisture content
analysis



Dry mass determination

Datasheet

	MA 110.R.NS Moisture Analyzer WL-305-0024	MA 110.R Moisture Analyzer WL-305-0004	MA 110.R.WH Moisture Analyzer WL-305-0007
Metrological parameters			
Maximum capacity [Max]	110 g	110 g	110 g
Readability [d]	1 mg	1 mg	1 mg
Tare range	-110 g	-110 g	-110 g
Adjustment	external	external	external
Maximum sample weight	110 g	110 g	110 g
Heating module	metal heater	IR emitter	halogen
Moisture content repeatability	±0,05 % (sample ~ 2 g), ±0,01 % (sample ~ 10 g)	±0,05 % (sample ~ 2 g), ±0,01 % (sample ~ 10 g)	±0,05 % (sample ~ 2 g), ±0,01 % (sample ~ 10 g)
Moisture content readability	0,001 %	0,001 %	0,001 %
Drying temperature range	Max 160 °C	Max 160 °C	Max 250 °C
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Maximum sample height	20 mm	20 mm	20 mm
Weighing pan dimensions	ø90, h= 8 mm	ø90, h= 8 mm	ø90, h= 8 mm
Packaging dimensions	476×381×346 mm	476×381×346 mm	476×381×346 mm
Net weight	4,8 kg	4,8 kg	4,8 kg
Gross weight	6,3 kg	6 kg	5,5 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Features of use			
Display mode	%D, %M, %R, g	%D, %M, %R, g	%D, %M, %R, g
Drying method	4 drying profiles (standard, fast, step, mild)	4 drying profiles (standard, fast, step, mild)	4 drying profiles (standard, fast, step, mild)
Finish mode	4 modes (automatic, manual, time-defined, user-defined)	4 modes (automatic, manual, time-defined, user-defined)	4 modes (automatic, manual, time-defined, user-defined)
Additional functions	sample traceability	sample traceability	sample traceability
Communication interface			
Communication interface	RS232 ¹ , USB-A, USB-B, Wi-Fi	RS232 ¹ , USB-A, USB-B, Wi-Fi	RS232 ¹ , USB-A, USB-B, Wi-Fi
Electrical parameters			
Power supply	100 – 120 V AC 50/60 Hz or 200-240 V AC 50/60 Hz	100 – 120 V AC 50/60 Hz or 200-240 V AC 50/60 Hz	100 – 120 V AC 50/60 Hz or 200-240 V AC 50/60 Hz
Power consumption	4 W	4 W	4 W
Heating module power	450 W	450 W	450 W
Environmental conditions			
Operating temperature	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C
SOP – metrological tests (additional options)			
Mass indication control	External mass standard 50 g, 100 g, 200 g, depending on the type of moisture analyzer (additional equipment)	External mass standard 50 g, 100 g, 200 g, depending on the type of moisture analyzer (additional equipment)	External mass standard 50 g, 100 g, 200 g, depending on the type of moisture analyzer (additional equipment)
Drying temperature control	One- or two-point, depending on the drying profile (additional equipment: GT105k-12/Z Control Thermometer)	One- or two-point, depending on the drying profile (additional equipment: GT105k-12/Z Control Thermometer)	One- or two-point, depending on the drying profile (additional equipment: GT105k-12/Z Control Thermometer)
Moisture content indication control	Certified MV Test Set (additional equipment)	Certified MV Test Set (additional equipment)	Certified MV Test Set (additional equipment)

1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

Datasheet

	MA 210.R Moisture Analyzer WL-305-0003	MA 210.R.WH Moisture Analyzer WL-305-0008	MA 210.R.NS Moisture Analyzer WL-305-0009
Metrological parameters			
Maximum capacity [Max]	210 g	210 g	210 g
Readability [d]	1 mg	1 mg	1 mg
Tare range	-210 g	-210 g	-210 g
Adjustment	external	external	external
Maximum sample weight	210 g	210 g	210 g
Heating module	IR emitter	halogen	steel heater
Moisture content repeatability	±0,05 % (sample ~ 2 g), ±0,01 % (sample ~ 10 g)	±0,05 % (sample ~ 2 g), ±0,01 % (sample ~ 10 g)	±0,05 % (sample ~ 2 g), ±0,01 % (sample ~ 10 g)
Moisture content readability	0,001 %	0,001 %	0,001 %
Drying temperature range	Max 160 °C	Max 250 °C	Max 160 °C
Physical parameters			
Leveling system	manual	manual	manual
Display	LCD (backlit)	LCD (backlit)	LCD (backlit)
Maximum sample height	20 mm	20 mm	20 mm
Weighing pan dimensions	ø90, h= 8 mm	ø90, h= 8 mm	ø90, h= 8 mm
Packaging dimensions	476×381×346 mm	476×381×346 mm	476×381×346 mm
Net weight	4,8 kg	4,8 kg	4,8 kg
Gross weight	6 kg	5,5 kg	6,3 kg
Construction			
Protection class	IP 43	IP 43	IP 43
Features of use			
Display mode	%D, %M, %R, g	%D, %M, %R, g	%D, %M, %R, g
Drying method	4 drying profiles (standard, fast, step, mild)	4 drying profiles (standard, fast, step, mild)	4 drying profiles (standard, fast, step, mild)
Finish mode	4 modes (automatic, manual, time-defined, user-defined)	4 modes (automatic, manual, time-defined, user-defined)	4 modes (automatic, manual, time-defined, user-defined)
Additional functions	sample traceability	sample traceability	sample traceability
Communication interface			
Communication interface	RS232 ¹ , USB-A, USB-B, Wi-Fi	RS232 ¹ , USB-A, USB-B, Wi-Fi	RS232 ¹ , USB-A, USB-B, Wi-Fi
Electrical parameters			
Power supply	100 – 120 V AC 50/60 Hz or 200-240 V AC 50/60 Hz	100 – 120 V AC 50/60 Hz or 200-240 V AC 50/60 Hz	100 – 120 V AC 50/60 Hz or 200-240 V AC 50/60 Hz
Power consumption	4 W	4 W	4 W
Heating module power	450 W	450 W	450 W
Environmental conditions			
Operating temperature	+10 – +40 °C	+10 – +40 °C	+10 – +40 °C
SOP – metrological tests (additional options)			
Mass indication control	External mass standard 50 g, 100 g, 200 g, depending on the type of moisture analyzer (additional equipment)	External mass standard 50 g, 100 g, 200 g, depending on the type of moisture analyzer (additional equipment)	External mass standard 50 g, 100 g, 200 g, depending on the type of moisture analyzer (additional equipment)
Drying temperature control	One- or two-point, depending on the drying profile (additional equipment: GT105k-12/Z Control Thermometer)	One- or two-point, depending on the drying profile (additional equipment: GT105k-12/Z Control Thermometer)	One- or two-point, depending on the drying profile (additional equipment: GT105k-12/Z Control Thermometer)
Moisture content indication control	Certified MV Test Set (additional equipment)	Certified MV Test Set (additional equipment)	Certified MV Test Set (additional equipment)

1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.



Accessories (Additional Fee)

Antivibration Tables
Moisture analyzer accessories
Barcode scanners

Receipt Printer
RS 232, RS 485 cables
RS 232 cables (scale - printer)

Software (Additional Fee)

RAD-KEY

RADWAG Development Studio

Device dimensions

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