



More information on the website
radwag.com/en/info,w1,BS5

MA 210.5Y.NS Moisture Analyzer, MA 50.5Y.WH Moisture Analyzer, MA 50/1.5Y.WH Moisture Analyzer, MA 110.5Y.NS Moisture Analyzer, MA 200/1.5Y.WH Moisture Analyzer, MA 50/1.5Y Moisture Analyzer, MA 50.5Y Moisture Analyzer, MA 110.5Y Moisture Analyzer, MA 210.5Y.WH Moisture Analyzer, MA 50.5Y.NS Moisture Analyzer, MA 200/1.5Y.NS Moisture Analyzer, MA 110.5Y.WH Moisture Analyzer, MA 210.5Y Moisture Analyzer, MA 200/1.5Y Moisture Analyzer, MA 50/1.5Y.NS Moisture Analyzer



MA 210.5Y.NS Moisture Analyzer
 MA 50.5Y.WH Moisture Analyzer
 MA 50/1.5Y.WH Moisture Analyzer
 MA 110.5Y.NS Moisture Analyzer
 MA 200/1.5Y.WH Moisture Analyzer
 MA 50/1.5Y Moisture Analyzer
 MA 50.5Y Moisture Analyzer
 MA 110.5Y Moisture Analyzer
 MA 210.5Y.WH Moisture Analyzer
 MA 50.5Y.NS Moisture Analyzer
 MA 200/1.5Y.NS Moisture Analyzer
 MA 110.5Y.WH Moisture Analyzer
 MA 210.5Y Moisture Analyzer
 MA 200/1.5Y Moisture Analyzer
 MA 50/1.5Y.NS Moisture Analyzer

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

Functions



Autotest



Statistics



IR sensors



GLP Procedures



Replaceable unit



Statistical Quality Control



ALIBI Memory



Drying modes



Samples drying



Moisture content analysis



Dry mass determination



Wi-Fi

Datasheet

	MA 50/1.5Y Moisture Analyzer	MA 50.5Y Moisture Analyzer	MA 50/1.5Y.NS Moisture Analyzer
Metrological parameters			
Maximum capacity [Max]	50 g	50 g	50 g
Readability [d]	0,1 mg	1 mg	0,1 mg
Tare range	-50 g	-50 g	-50 g
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
Maximum sample weight	50 g	50 g	50 g
Heating module	IR emitter	IR emitter	metal heater
Moisture content repeatability	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)
Moisture content readability	0,0001%	0,001%	0,0001%
Drying temperature range	max 160 °C	max 160 °C	max 160 °C
Physical parameters			
Leveling system	manual	manual	manual
Display	10" touchscreen	10" touchscreen	10" touchscreen
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	5,3 kg	5,3 kg	5,3 kg
Gross weight	6,8 kg	6,5 kg	6,8 kg
Communication interface			
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz
Power consumption	6 W	6 W	6 W
Heating module power	450 W	450 W	450 W
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Features of use			
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

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

Datasheet

	MA 50.5Y.NS Moisture Analyzer	MA 50/1.5Y.WH Moisture Analyzer	MA 50.5Y.WH Moisture Analyzer
Metrological parameters			
Maximum capacity [Max]	50 g	50 g	50 g
Readability [d]	1 mg	0,1 mg	1 mg
Tare range	-50 g	-50 g	-50 g
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
Maximum sample weight	50 g	50 g	50 g
Heating module	steel heater	halogen	halogen
Moisture content repeatability	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)
Moisture content readability	0,001%	0,0001%	0,001%
Drying temperature range	max 160 °C	max 250 °C	max 250 °C
Physical parameters			
Leveling system	manual	manual	manual
Display	10" touchscreen	10" touchscreen	10" touchscreen
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	5,3 kg	5,3 kg	5,3 kg
Gross weight	6,8 kg	7 kg	6,8 kg
Communication interface			
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz
Power consumption	6 W	6 W	6 W
Heating module power	450 W	450 W	450 W
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Features of use			
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

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

Datasheet

	MA 110.5Y Moisture Analyzer	MA 110.5Y.NS Moisture Analyzer	MA 110.5Y.WH Moisture Analyzer
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	internal (automatic)	internal (automatic)	internal (automatic)
Maximum sample weight	110 g	110 g	110 g
Heating module	IR emitter	steel heater	halogen
Moisture content repeatability	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)
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	10" touchscreen	10" touchscreen	10" touchscreen
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	5,3 kg	5,3 kg	5,3 kg
Gross weight	6,8 kg	6,8 kg	6,8 kg
Communication interface			
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz
Power consumption	6 W	6 W	6 W
Heating module power	450 W	450 W	450 W
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Features of use			
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

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

Datasheet

	MA 200/1.5Y.WH Moisture Analyzer	MA 200/1.5Y Moisture Analyzer	MA 200/1.5Y.NS Moisture Analyzer
Metrological parameters			
Maximum capacity [Max]	200 g	200 g	200 g
Readability [d]	0,1 mg	0,1 mg	0,1 mg
Tare range	-200 g	-200 g	-200 g
Adjustment	internal (automatic)	internal (automatic)	internal (automatic)
Maximum sample weight	200 g	200 g	200 g
Heating module	halogen	IR emitter	steel heater
Moisture content repeatability	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)
Moisture content readability	0,0001%	0,0001%	0,0001%
Drying temperature range	max 250 °C	max 160 °C	max 160 °C
Physical parameters			
Leveling system	manual	manual	manual
Display	10" touchscreen	10" touchscreen	10" touchscreen
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	5,3 kg	5,3 kg	5,3 kg
Gross weight	6,8 kg	6,8 kg	6,8 kg
Communication interface			
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz
Power consumption	6 W	6 W	6 W
Heating module power	450 W	450 W	450 W
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Features of use			
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

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

Datasheet

	MA 210.5Y.WH Moisture Analyzer	MA 210.5Y Moisture Analyzer	MA 210.5Y.NS Moisture Analyzer
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	internal (automatic)	internal (automatic)	internal (automatic)
Maximum sample weight	210 g	210 g	210 g
Heating module	halogen	IR emitter	steel heater
Moisture content repeatability	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)	+/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)
Moisture content readability	0,001%	0,001%	0,001%
Drying temperature range	max 250 °C	max 160 °C	max 160 °C
Physical parameters			
Leveling system	manual	manual	manual
Display	10" touchscreen	10" touchscreen	10" touchscreen
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	5,4 kg	5,4 kg	5,4 kg
Gross weight	6,9 kg	6,9 kg	6,9 kg
Communication interface			
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters			
Power supply	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz
Power consumption	6 W	6 W	6 W
Heating module power	450 W	450 W	450 W
Environmental conditions			
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Features of use			
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

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

* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Accessories

Antivibration Tables
Barcode scanners
Moisture analyzer accessories
Additional modules
USB Hubs
Receipt Printer

Fingerprint Reader
Protective cover for balances
RS 232, RS 485 cables
Additional modules
RS 232 cables (scale - printer)
RS 232 – RS 485 Converter

Software

RAD-KEY
E2R System
RADWAG Development Studio

LabVIEW Driver
Alibi Reader

Device dimensions

MA 210.5Y.NS Moisture Analyzer, MA 50.5Y.WH Moisture Analyzer, MA 50/1.5Y.WH Moisture Analyzer, MA 110.5Y.NS Moisture Analyzer, MA 200/1.5Y.WH Moisture Analyzer, MA 50/1.5Y Moisture Analyzer, MA 50.5Y Moisture Analyzer, MA 110.5Y Moisture Analyzer, MA 210.5Y.WH Moisture Analyzer, MA 50.5Y.NS Moisture Analyzer, MA 200/1.5Y.NS Moisture Analyzer, MA 110.5Y.WH Moisture Analyzer, MA 210.5Y Moisture Analyzer, MA 200/1.5Y Moisture Analyzer, MA 50/1.5Y.NS Moisture Analyzer

