



Moisture Analyzers

Advanced Moisture Determination



radwag.com



MA X7

MA 5Y

MA R

RADWAG Moisture Analyzers – precision, compliance and versatility

RADWAG moisture analyzers of the 5Y, X7 and R series are modern instruments designed for determining sample moisture content in laboratories, industry and R&D facilities. They combine high measurement accuracy with intuitive operation and advanced functionality. The 5Y and X7 series feature 10" and 7" full-colour touchscreens, while the R series is equipped with a 5.3" LCD display.

The devices comply with GLP requirements, ensuring full traceability and reliable results. Extensive databases (including products, weighings, users, reports and statistics) streamline process management, and the Dynamic Control of Sample Weight bar graph enables ongoing monitoring of sample mass.

Drying results can be displayed as %M, %D or %R, and the analyzers allow for report generation and printing. A multilingual menu is available. Additionally, only the 5Y series offers interface colour modes and a configurable menu, supporting a wide range of applications in quality control and process analysis.

	MA 5Y	MA X7	MA R
Maximum capacity [Max]	50 – 210 g	50 – 210 g	50 – 210 g
Readability [d]	0.1 – 1 mg	0.1 – 1 mg	0.1 – 1 mg
Adjustment	internal, external	internal, external	external
Heating module	IR emitter, halogen, metal heater	IR emitter, halogen, metal heater	IR emitter, halogen, metal heater
Moisture content readability	0.001 – 0.0001 %	0.001 – 0.0001 %	0.001 – 0.0001 %
Drying temperature range	160 °C, 250 °C	160 °C, 250 °C	160 °C, 250 °C
Display	10" colour touchscreen	7" colour touchscreen	5.3" LCD backlit
Communication interfaces	USB-A x2, USB-C, RS232, HDMI, Ethernet, Wi-Fi®, Hotspot	RS232, USB-A, USB-B, Ethernet, Wi-Fi®	RS232, USB-A, USB-B, Wi-Fi®



PMV 5Y

Microwave Moisture Analyzer

The RADWAG PMV 5Y microwave moisture analyzer is an advanced solution for measuring moisture content in samples with a very high water content (up to 100%). The drying process is performed using microwave emission, which enables uniform power distribution throughout the entire sample volume.

As a result, the PMV 5Y significantly reduces drying time compared to conventional moisture analyzers and traditional oven-drying methods. The instrument delivers fast, repeatable results, supporting efficient quality control in laboratories and industrial applications.

PMV 5Y

Maximum capacity [Max]	50
Readability [d]	0.1 mg
Adjustment	external
Moisture content readability	0.0001 %
Heating module	microwave radiation emitter
Heating module power	800 W
Display	10" colour touchscreen
Communication interfaces	USB-A x2, USB-C, RS232, HDMI, Ethernet, Wi-Fi®, Hotspot

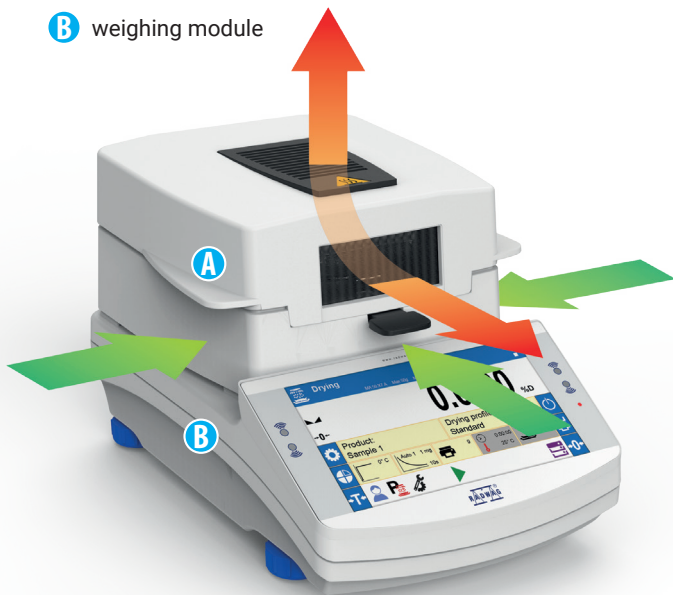
**See all Moisture Analyzers
at radwag.com**



Measurements Precision in all Thermal Conditions

Moisture analyzer comprises precision balance and a drying chamber joined together. High resolution weighing module is designed to provide quick and precise measurement of a particular sample weight, independently from its thermal condition. Module stabilisation is obtained using special algorithm controlling halogen lamp operation.

- A** drying chamber
- B** weighing module



Drying Temperature Stability

Drying temperature stabilization is ensured by a heating element (IR emitter) coupled with a temperature sensor. Proper operation of this system is possible owing to adjustment performed in the course of a manufacturing process. The emitter, as a heat source, is effective when carrying out analysis of various materials: powders, liquids, paste, semi-liquid substances, solid bodies etc.



Graduating drying temperature means comparing and correcting indications of moisture analyzer thermometer. The correction is referred to indications of control thermometer, three measuring points are used for comparison. During the test, the control thermometer replaces a weighing pan.



Heating elements in moisture analyzers operate in a feedback loop with a temperature sensor. This ensures stable thermal conditions during the analysis. **RADWAG-designed method for dynamic control of drying chamber temperature is one of the factors allowing to obtain short time for analysis process and repeatability within drying series.**

A specific algorithm controlling heating elements operation is needed in order to maintain a particular temperature throughout the drying process. **RADWAG has designed such an algorithm thus ensuring quickness and accuracy of operation independently from analysis duration.**

Heat Source Types and Intended Use

IRS Halogen

Intended for:
powder, semi-liquids, liquids.

IRM Emitter

Intended for:
most samples of liquid or semi-liquid consistence, powders, crushed solids.

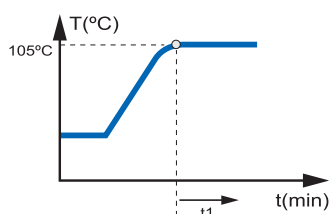
IRL Emitter

Intended for:
bodies of thick consistence and for solids.

Microwave Emitter

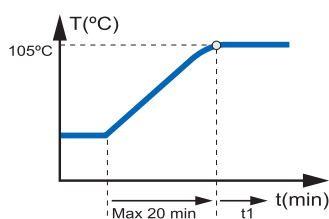
Intended for:
drying of samples containing significant amount of moisture (up to 100%)

Methods for Obtaining the Preset Temperature



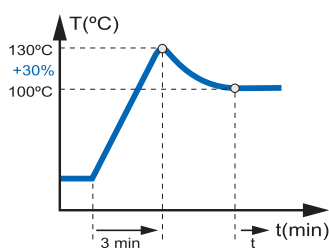
Standard Mode

For solid, powder and semi-liquid samples. The temperature ramps up to the set value and is maintained for the duration of the test. **Suitable for most applications.**



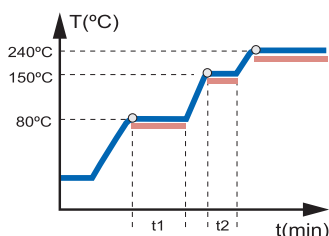
Mild Mode

Mild mode shall be applied when too fast temperature growth eliminates components other than water. **Possibility of adjusting the speed of temperature growth.**



Quick Mode

Samples of high humidity. In case of overadjustment the temperature drops until the determined value is reached. **Temperature drop caused by heat coming from evaporation is eliminated.**



Step Mode

Drying minerals. Chemically bound water and surface bound water is eliminated. **Sample analysis for various temperature values is possible.**

Samples Types and Preparation Guidelines

Size of the sample and its preparation shall provide the following: sample structure homogeneity, short time of drying, good repeatability of measurement within a measurement series and drying process result comparable to a reference result (standardised method).



Solid bodies
- light sample,
- requires grinding



Samples of low humidity
- heavy sample
(10 - 15 g)



Liquids
- increasing active surface
of evaporation is recommended

Sample Structure Transformation

During the drying process, undesirable physical processes may occur that affect the structure of the sample. These may cause variability in the readings and errors in assessing the actual moisture content of the sample.



Crust Formation
It is a process where an impermeable layer is formed on a sample surface. This makes removal of humidity from the sample impossible. As a result the indication being an outcome of an analysis is lower than the sample reference value.



Sample Burning
Such a process is a consequence of too high drying temperature. It results in a change of sample colour. When sample burning occurs then the sample humidity value is greater than its reference value.



Heat Absorption
Dark in colour samples absorb more heat than the light ones. This accounts for application of lower drying temperatures while drying light in colour samples. Tests need to be carried out in order to select the right temperature value.

Automatic Control of Sample Weight

Obtaining optimal results for a drying process depends on samples quantity and weight. Too heavy sample lengthens duration of the drying process. Too light sample works against repeatability of the results. This proves that control of the sample weight is inevitable.



- A WEIGHT CONTROL** (checkweighing thresholds)
- B END OF DRYING** (process termination method)
- C DRYING PROGRAMS** (drying mode type, temperature)
- D SAMPLES** (name, code, end mass, tolerance, etc.)
- E PROCESS DESCRIPTION** (drying program information)

Initial mass	2.7548 g
0:00:10	0.1503% M
0:00:20	0.6258% M
----- Auto switch off -----	
0:08:08	Auto 1
Result	11.4789% M
----- Auto switch off -----	
0:11:05	Auto 2
Result	11.9058% M
----- Auto switch off -----	
0:13:55	Auto 3
Result	12.0502% M
----- Auto switch off -----	
0:15:20	Auto 4
Result	12.0858% M

Demonstrative printout of TEST function.

Methods of Analysis Completion

The TEST function analyzes sample weight changes during drying. There are five automatic shutoff options. The user should choose the one that ends drying so the measured moisture is as close as possible to a reference value. Options include time-based, manual, and user-defined modes, with the last one best suited to the sample's characteristics.



Obtained humidity value depends on start mass of a particular sample – **an optimal mass value shall be selected prior running the tests.**

Respective method for a particular sample drying, shall be selected based on tests optimizing the sample size, drying temperature and method of analysis end procedure.

Report on Drying Process

RADWAG moisture analyzers allow the user to make self-configured reports. Analysis, summaries, etc. may be printed by means of any office or label printers.

The report comprises three sections: the header (A), the data area (B) and the footer (C). Each section can be freely configured by a user.

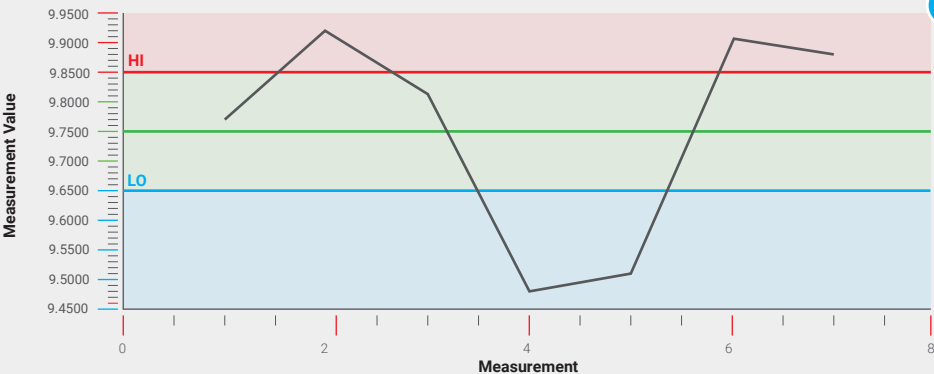
Example of a simple drying report, generated by moisture analyzer.

Drying	
Date	2026.01.09
Time	6:32:18
Operator	Admin
Product	Prod-01
Program	MAR-1
Drying profile	Standard
Drying profile parameters	90 °C
Finish mode	Manual
Start mass	0.674 g
0:00:30	
0:01:00	
0:01:30	
0:02:00	
0:02:30	
0:03:00	
Status	Completed
Drying time	0:03:00
End mass	0.499 g
Result	25.964% M

Drying Process Statistics

Moisture content analyses performed for the same sample are used to determine the sample moisture content variation within a specified time interval (Trend).

Trend graph is calculated automatically. Calculating moisture content variation is required wherever manufacturing process and control is performed in a permanent manner. The obtained data is used by systems controlling the manufacturing process. It helps to determine optimal moisture content for a particular sample, required for a finished product prior its packing.



Drying	
Start date	2026.01.09
Start time	11:34:44
Operator	Admin
Product	Corn
Drying mode	Corn-PRG01
Drying mode	Standard
Drying mode parameters	100 °C
Auto switch-off mode	Auto
Finish mode parameters	1 mg/60 s
Printout interval	0:00:30
Start mass	0.590 g
Date and time	2026.01.09 11:35:14
Drying time	0:00:30
Product	Corn
Current result	5.085% M
0:00:30	5.085% M
Humidity content	5.085% M
Dry mass content	94.915% D
Humid / Dry	5.357% R
Tare	0.007 g
Gross	0.567 g
Set temperature	100 °C
Current temperature	99 °C
Date and time	2026.01.09 11:35:44
Drying time	0:01:00
Current result	7.795% M
Date and time	2026.01.09 11:39:14
Drying time	0:04:30
Current result	14.237% M
Status	Completed
End date	2026.01.09
End time	11:39:22
Drying time	0:04:38
Operator	Admin
Product	Corn
End mass	0.506 g
Humidity content	14.237% M

Example of a simple drying report, generated by moisture analyzer.

Databases - Drying Process Ergonomics

Drying parameters such as temperature and automatic shutdown are optimally selected for every single sample. Trying to remember the parameters for just a few samples requires considerable effort. It is more convenient to record the parameters in a database than attempting to learn them by heart.

Drying Programs Database Contains any Data Relating to a Drying Process:

- name, code,
- drying mode, drying temperature,
- automatic shutdown (auto / time-defined / user-defined),
- start mass control (none / optional / essential),
- equipment intended for a sample (methodology),
- instruction on sample preparation for a drying process (methodology),
- required sample size (methodology).

All information related to the sample contained in the product database

- name and description,
- EAN code: searching a sample in a database by means of a scanner,
- target value (%): value used for automatic control of sample weight (bar graph) and for determining moisture content variation over time (trend),
- Min, Max: value used for automatic control of sample weight (bar graph),
- tolerance: value used for determining moisture content variation over time (trend),
- drying program.

Scale Editor

The Scale Editor software was designed to support users working with a large number of samples. Its clear program structure enables quick definition of drying parameters and other sample-related information. Data are transferred via the Ethernet or RS-232 interface.

Export to Excel

Export to Text

Export to Pdf

Table Export

+

Remove scale

Find scales

Refresh scales

Sync all

Sync this scale

Devices

Synchronization

My devices - 1

Filter window

Address: 10.10.3.147

Type: SY

Name: MA SY.NH

Serial no: 999999

Status: Online

VNC

Report configuration

Network configuration

Configure device

Skin

Language

Help

Settings

SCALE EDITOR 2.1

RADWA

Users (2)

Goods (18)

Weights (-)

Customers (-)

Reports (-)

Average tares (-)

Comparison reports (-)

Packaging (-)

Warehouses (-)

Printouts / labels (-)

Name	Code	Mass	Desc	Ingredients	EAN code	Tare	Price	Min	Max	Printouts	Density	No of days	VWT [%]	% Deviation	Date	Unit	Drying result bias	
goods1	3	200				0	0	0	9	0		0	10	0	0	01/01/2020	E	0.25
goods2	4	20				0	0	0	1	0		0	10	0	0	01/01/2020	E	0.25
goods3	5	30				0	10	0	2	0		0	10	0	0	01/01/2020	E	0.25
goods4	6	40				0	0	0	3	0		0	10	0	0	01/01/2020	E	0.25
goods5	7	50				0	0	0	4	0		0	10	0	0	01/01/2020	E	0.25
goods6_EAN	11	200			1234567890128	10	0	0	9	0		0	10	0	0	01/01/2020	E	0.25
goods7_EAN	12	200				0	20	0	9	0		0	10	0	0	01/01/2020	E	0.25
goods8(g)	14	1				0	0	0	0	0		0	10	0	0	01/01/2020	E	0.25
CountedProduct	15	10				0	0	0	10	30		0	10	0	0	01/01/2020	E	0.25
CountedProduct	16	6				0	0	0	10	30		0	10	0	0	01/01/2020	E	0.25
MMS	25	100				0	10	0	70	120	MMS	0	10	0	0	01/01/2020	E	0.25
Chric acid	31	999				0	0	0	15	0		0	10	0	0	01/01/2020	E	0.25
Apple Juice	32	50				0	0	0	4	0		0	10	0	0	01/01/2020	E	0.25
Another ingredient	33	100				0	0	0	4	0		0	10	0	0	01/01/2020	E	0.25
lan_name_IRC	20	100				0	0	0	0	0		0	10	0	0	01/01/2020	E	0.25
lan_NAME_MAXE	21	100				0	0	0	20	1010		0	10	0	0	01/01/2020	E	0.25
Water/MMS	CMMS					0	0	0	0	0		0	10	0	0	01/01/2020	E	0.25
Paper storage	Paper storage...	0				0	0	0	0	0		0	10	0	0	01/01/2020	E	0.25

Logout

Refresh

Add

Edit

Delete

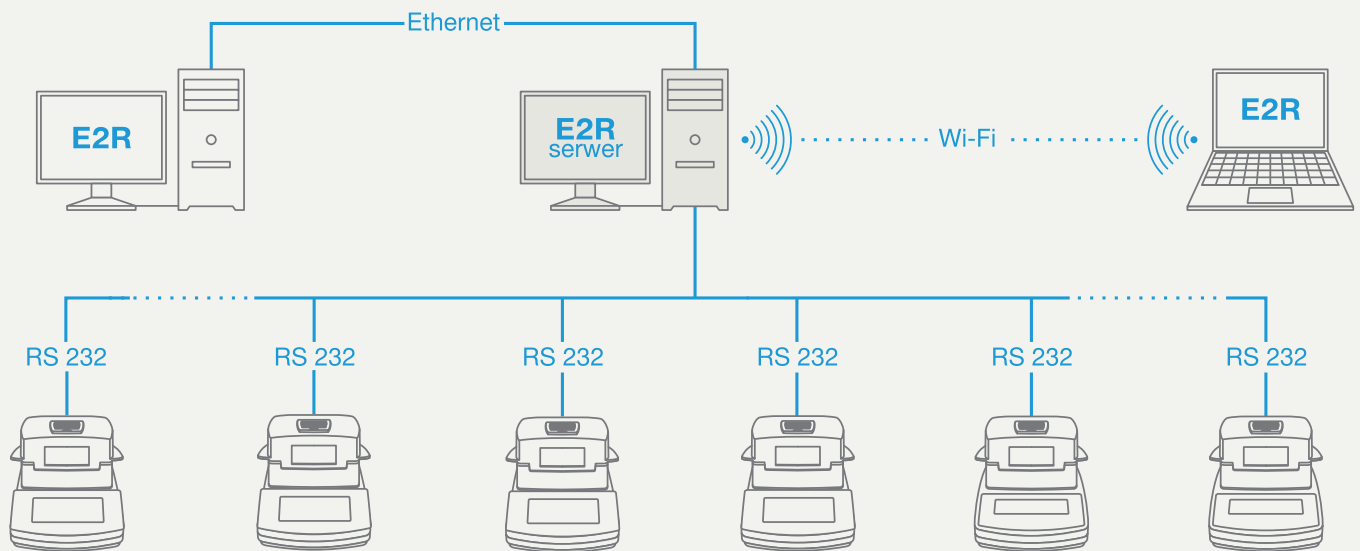
Export

Import

Databases Drying Processes Ergonomics

E2R Moisture Analyzer PC software is designed to record measurements performed by means of RADWAG moisture analyzers cooperating in a network, using RS 232 and Ethernet interfaces for connection. The software enables monitoring and reporting of collected measurements.

Production processes for which moisture content of a particular sample is a crucial parameter, require quick reaction. This may be carried out using so called weighing networks comprising PMV 50 PLUS, MA X2 and MA R Moisture Analyzers. Each drying process is monitored on-line regardless of workstations location.



Software functions: on-line monitoring of moisture analyzer operation, possibility of configuring reports and graphs, analysis of data collected from many drying workstations, data protection.

PC Software

RADWAG PC software supports moisture analyzers expanding their functionality.

R-Lab

Scales preview, weighings graphs and statistics graphs.

E2R Moisture Analyzers

Record of weighments carried out by moisture analyzers cooperating in a network.

Scale Editor 2.1

Database management via RS232 and Ethernet communication interfaces.

Additional Equipment

- Anti-vibration weighing tables,
- Disposable weighing pans,
- Thermal and dot matrix printers,
- Barcode scanners,
- Control thermometer,
- Water vapor permeability set.

Complete offer is to be found on radwag.com website.



E2R Moisture Analyzer is a module of integrated system for managing E2R weighing processes.

E2R System comprises various programs ensuring continuous control of balances and their databases together with both, complete managing of the manufacturing process and the process optimisation.

Area of Use

Moisture content analysis and dry mass measurement of a particular product are both crucial for various branches of industry and science. Vast area of use and diversity of analyzed samples structure require individual approach to different substances.

The choice of analytical method depends on the sample's composition, expected water range, and required accuracy, as different techniques may yield varying results. Proper sample preparation and controlled measurement conditions are also essential to ensure repeatability and to minimize errors caused by volatility, hygroscopicity, or non-uniform structure.



Dairy Industry

Samples:

cheese, buttermilk, yoghurt, powdered milk, etc.

Samples are dried directly on a weighing pan or by means of glass fiber filters or silica sand (increasing surface of evaporation).



Fruit and Vegetable Industry

Samples:

dried vegetables, fruits and mushroom, nuts etc.

Samples shall be cut into smaller pieces (the analyzed samples cannot be too thick).



Food Industry

Samples:

sugar, flour, pasta, spices, gelatin, etc.

Thin layer of semi-liquid samples shall be distributed on a weighing pan (silica sand or glass fiber filters may be used). Other kinds of samples shall be crushed.



Chemical Industry

Samples:

emulsion, gel and lotions used for cleaning, paints, film, graphite, etc.

Thin layer of semi-liquid samples shall be distributed on a weighing pan (Silica sand or glass fiber filters may be used). Other kinds of samples shall be crushed.



Agricultural Industry

Samples:

grain, seeds, hay, biomass, etc.

Grain needs to be crushed prior drying.

Model	Product code	Maximum capacity [Max]	Readability [d]	Moisture content readability	Drying temperature	Heating module
MOISTURE ANALYZERS PMV 5Y						
PMV 50.5Y	WL-307-0006	50 g	0.1 mg	0.0001 %	-	microwave radiation emitter
MOISTURE ANALYZERS WITH INTERNAL CALIBRATION MA 5Y.IC						
MA 50/1.5Y.IC	WL-304-0061	50 g	0.1 mg	0.0001 %	Max 160 °C	IR emitter
MA 50/1.5Y.IC.NS	WL-304-0062	50 g	0.1 mg	0.0001 %	Max 160 °C	metal heater
MA 50/1.5Y.IC.WH	WL-304-0063	50 g	0.1 mg	0.0001 %	Max 250 °C	halogen
MA 50.5Y.IC	WL-304-0058	50 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 50.5Y.IC.NS	WL-304-0059	50 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 50.5Y.IC.WH	WL-304-0060	50 g	1 mg	0.001 %	Max 250 °C	halogen
MA 110.5Y.IC	WL-304-0049	110 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 110.5Y.IC.NS	WL-304-0050	110 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 110.5Y.IC.WH	WL-304-0051	110 g	1 mg	0.001 %	Max 250 °C	halogen
MA 200/1.5Y.IC	WL-304-0052	200 g	0.1 mg	0.0001 %	Max 160 °C	IR emitter
MA 200/1.5Y.IC.NS	WL-304-0053	200 g	0.1 mg	0.0001 %	Max 160 °C	metal heater
MA 200/1.5Y.IC.WH	WL-304-0054	200 g	0.1 mg	0.0001 %	Max 250 °C	halogen
MA 210.5Y.IC	WL-304-0055	210 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 210.5Y.IC.NS	WL-304-0056	210 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 210.5Y.IC.WH	WL-304-0057	210 g	1 mg	0.001 %	Max 250 °C	halogen
MOISTURE ANALYZERS WITH EXTERNAL CALIBRATION MA 5Y						
MA 50/1.5Y	WL-304-0046	50 g	0.1 mg	0.0001 %	Max 160 °C	IR emitter
MA 50/1.5Y.NS	WL-304-0047	50 g	0.1 mg	0.0001 %	Max 160 °C	metal heater
MA 50/1.5Y.WH	WL-304-0048	50 g	0.1 mg	0.0001 %	Max 250 °C	halogen
MA 50.5Y	WL-304-0043	50 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 50.5Y.NS	WL-304-0044	50 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 50.5Y.WH	WL-304-0045	50 g	1 mg	0.001 %	Max 250 °C	halogen
MA 110.5Y	WL-304-0034	110 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 110.5Y.NS	WL-304-0035	110 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 110.5Y.WH	WL-304-0036	110 g	1 mg	0.001 %	Max 250 °C	halogen
MA 200/1.5Y	WL-304-0037	200 g	0.1 mg	0.0001 %	Max 160 °C	IR emitter
MA 200/1.5Y.NS	WL-304-0038	200 g	0.1 mg	0.0001 %	Max 160 °C	metal heater
MA 200/1.5Y.WH	WL-304-0039	200 g	0.1 mg	0.0001 %	Max 250 °C	halogen
MA 210.5Y	WL-304-0040	210 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 210.5Y.NS	WL-304-0041	210 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 210.5Y.WH	WL-304-0042	210 g	1 mg	0.001 %	Max 250 °C	halogen

Model	Product code	Maximum capacity [Max]	Readability [d]	Moisture content readability	Drying temperature	Heating module
MOISTURE ANALYZERS WITH INTERNAL CALIBRATION MA X7.IC.A						
MA 50/1.X7.IC.A	WL-308-0028	50 g	0.1 mg	0.0001 %	Max 160 °C	IR emitter
MA 50/1.X7.IC.A.NS	WL-308-0029	50 g	0.1 mg	0.0001 %	Max 160 °C	metal heater
MA 50/1.X7.IC.A.WH	WL-308-0001	50 g	0.1 mg	0.0001 %	Max 250 °C	halogen
MA 50.X7.IC.A	WL-308-0018	50 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 50.X7.IC.A.NS	WL-308-0019	50 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 50.X7.IC.A.WH	WL-308-0020	50 g	1 mg	0.001 %	Max 250 °C	halogen
MA 110.X7.IC.A	WL-308-0007	110 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 110.X7.IC.A.NS	WL-308-0008	110 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 110.X7.IC.A.WH	WL-308-0009	110 g	1 mg	0.001 %	Max 250 °C	halogen
MA 200/1.X7.IC.A	WL-308-0035	200 g	0.1 mg	0.0001 %	Max 160 °C	IR emitter
MA 200/1.X7.IC.A.NS	WL-308-0036	200 g	0.1 mg	0.0001 %	Max 160 °C	metal heater
MA 200/1.X7.IC.A.WH	WL-308-0037	200 g	0.1 mg	0.0001 %	Max 250 °C	halogen
MA 210.X7.IC.A	WL-308-0043	210 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 210.X7.IC.A.NS	WL-308-0044	210 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 210.X7.IC.A.WH	WL-308-0045	210 g	1 mg	0.001 %	Max 250 °C	halogen
MOISTURE ANALYZERS WITH EXTERNAL CALIBRATION MA X7.A						
MA 50/1.X7.A	WL-308-0024	50 g	0.1 mg	0.0001 %	Max 160 °C	IR emitter
MA 50/1.X7.A.NS	WL-308-0025	50 g	0.1 mg	0.0001 %	Max 160 °C	metal heater
MA 50/1.X7.A.WH	WL-308-0026	50 g	0.1 mg	0.0001 %	Max 250 °C	halogen
MA 50.X7.A	WL-308-0014	50 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 50.X7.A.NS	WL-308-0015	50 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 50.X7.A.WH	WL-308-0016	50 g	1 mg	0.001 %	Max 250 °C	halogen
MA 110.X7.A	WL-308-0003	110 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 110.X7.A.NS	WL-308-0004	110 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 110.X7.A.WH	WL-308-0005	110 g	1 mg	0.001 %	Max 250 °C	halogen
MA 200/1.X7.A	WL-308-0032	200 g	0.1 mg	0.0001 %	Max 160 °C	IR emitter
MA 200/1.X7.A.NS	WL-308-0033	200 g	0.1 mg	0.0001 %	Max 160 °C	metal heater
MA 200/1.X7.A.WH	WL-308-0034	200 g	0.1 mg	0.0001 %	Max 250 °C	halogen
MA 210.X7.A	WL-308-0039	210 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 210.X7.A.NS	WL-308-0040	210 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 210.X7.A.WH	WL-308-0041	210 g	1 mg	0.001 %	Max 250 °C	halogen

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

Model	Product code	Maximum capacity [Max]	Readability [d]	Moisture content readability	Drying temperature	Heating module
MOISTURE ANALYZERS WITH EXTERNAL CALIBRATION MA R						
MA 50/1.R	WL-305-0002	50 g	0.1 mg	0.0001 %	Max 160 °C	IR emitter
MA 50/1.R.NS	WL-305-0039	50 g	0.1 mg	0.0001 %	Max 160 °C	metal heater
MA 50/1.R.WH	WL-305-0006	50 g	0.1 mg	0.0001 %	Max 250 °C	halogen
MA 50.R	WL-305-0001	50 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 50.R.NS	WL-305-0014	50 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 50.R.WH	WL-305-0005	50 g	1 mg	0.001 %	Max 250 °C	halogen
MA 110.R	WL-305-0004	110 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 110.R.NS	WL-305-0024	110 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 110.R.WH	WL-305-0007	110 g	1 mg	0.001 %	Max 250 °C	halogen
MA 210.R	WL-305-0003	210 g	1 mg	0.001 %	Max 160 °C	IR emitter
MA 210.R.NS	WL-305-0009	210 g	1 mg	0.001 %	Max 160 °C	metal heater
MA 210.R.WH	WL-305-0008	210 g	1 mg	0.001 %	Max 250 °C	halogen



Weighing pan dimensions	Adjustment	Display	Communication interfaces
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®
ø90 mm, h= 8 mm	external	5.3" LCD (backlit)	RS232, USB-A, USB-B, Wi-Fi®

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