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# MA 50.5Y.IC 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

|                        |                      |
|------------------------|----------------------|
| Maximum capacity [Max] | 50 g                 |
| Readability [d]        | 1 mg                 |
| Verification unit [e]  | 10 mg                |
| Tare range             | -50 g                |
| Adjustment             | internal (automatic) |
| OIML Class             | II                   |
| Maximum sample weight  | 50 g                 |
| Heating module         | IR emitter           |

|                                     |                                                                                                                  |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Moisture content repeatability      | ±0,05 % (sample ~ 2 g), ±0,01 % (sample ~ 10 g)                                                                  |
| Moisture content readability        | 0,001 %                                                                                                          |
| Drying temperature range            | Max 160 °C                                                                                                       |
| <b>Physical parameters</b>          |                                                                                                                  |
| Leveling system                     | semi-automatic – LevelSENSING                                                                                    |
| Display                             | 10" graphic colour touchscreen                                                                                   |
| Weighing chamber                    | automatic                                                                                                        |
| Maximum sample height               | 20 mm                                                                                                            |
| Weighing pan dimensions             | ø90, h= 8 mm                                                                                                     |
| Packaging dimensions                | 540×610×470 mm                                                                                                   |
| Net weight                          | 5,3 kg                                                                                                           |
| Gross weight                        | 6,5 kg                                                                                                           |
| <b>Construction</b>                 |                                                                                                                  |
| Protection class                    | IP 43                                                                                                            |
| <b>Features of use</b>              |                                                                                                                  |
| Display mode                        | %MC, %DC, %ATRO MC, %ATRO DC, g, g/kg MC, g/kg DC, -%MC                                                          |
| Drying method                       | 4 drying profiles (standard, fast, step, mild)                                                                   |
| Finish mode                         | 4 modes (automatic, manual, time-defined, user-defined)                                                          |
| Additional functions                | sample traceability                                                                                              |
| <b>Communication interface</b>      |                                                                                                                  |
| Communication interface             | 2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot                                                                   |
| <b>Power supply</b>                 |                                                                                                                  |
| Power supply                        | 100 – 120 V AC 50/60 Hz or 200-240 V AC 50/60 Hz                                                                 |
| Power consumption                   | 6 W                                                                                                              |
| Heating module power                | 450 W                                                                                                            |
| <b>Operating temperature</b>        |                                                                                                                  |
| Operating temperature               | +10 – +40 °C                                                                                                     |
| <b>Mass indication control</b>      |                                                                                                                  |
| Mass indication control             | External mass standard 50 g, 100 g, 200 g (depending on the type of moisture analyzer)                           |
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| Drying temperature control          | One- or two-point, depending on the drying profile (equipment: GT105k-12/Z Control Thermometer)                  |
| Moisture content indication control | Certified MV Test Set                                                                                            |
| Drying temperature adjustment       | Three-point adjustment at defined temperatures, programmable values (equipment: GT105k-12/Z Control Thermometer) |

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



Extra payment for verification



## Accessories

Antivibration tables  
Moisture analyzer accessories

Fingerprint Reader  
Protective cover for balances

Additional modules  
Barcode scanners  
Receipt Printer

RS 232, RS 485 cables  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter

## Software

- E2R Weighing [WX-010-0099]
- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]
- E2R Weighing Records [WX-010-0038]
- Label Editor R02 [WX-010-0094]
- Scale Editor - EWAG 2.1 [WX-010-0173]

## Device dimensions

