



More information on the website  
[radwag.com/en/info,w1,FDP](https://radwag.com/en/info,w1,FDP)

## MA 50/1.R Moisture Analyzer



MA 50/1.R 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 50/1.R Moisture Analyzer                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Metrological parameters</b>      |                                                                                                 |
| Maximum capacity [Max]              | 50 g                                                                                            |
| Readability [d]                     | 0,1 mg                                                                                          |
| Tare range                          | -50 g                                                                                           |
| Adjustment                          | external                                                                                        |
| Maximum sample weight               | 50 g                                                                                            |
| Heating module                      | IR emitter                                                                                      |
| Moisture content repeatability      | +/-0,05% (sample ~ 2g), +/-0,01% (sample ~ 10g)                                                 |
| Moisture content readability        | 0,0001%                                                                                         |
| Drying temperature range            | Max 160 °C                                                                                      |
| <b>Physical parameters</b>          |                                                                                                 |
| Leveling system                     | manual                                                                                          |
| Display                             | LCD (backlit)                                                                                   |
| Maximum sample height               | 20 mm                                                                                           |
| Weighing pan dimensions             | ø90, h= 8 mm                                                                                    |
| Packaging dimensions                | 476×381×346 mm                                                                                  |
| Net weight                          | 4,8 kg                                                                                          |
| Gross weight                        | 6 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             | RS232 <sup>1</sup> , USB-A, USB-B, Wi-Fi                                                        |
| <b>Electrical parameters</b>        |                                                                                                 |
| Power supply                        | 100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz                                                  |
| Power consumption                   | 4 W                                                                                             |
| Heating module power                | 450 W                                                                                           |
| <b>Environmental conditions</b>     |                                                                                                 |
| Operating temperature               | +10 ÷ +40 °C                                                                                    |
| <b>SOP – metrological tests</b>     |                                                                                                 |
| Mass indication control             | External mass standard 50 g, 100 g, 200 g (depending on the type of moisture analyzer)          |
| Internal adjustment                 | For .IC models only, GLP report                                                                 |
| External adjustment                 | For all models, GLP report                                                                      |
| 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                                                                           |
| <b>Adjustment</b>                   |                                                                                                 |
| Internal / External adjustment      | Depending on the type of moisture analyzer, GLP report                                          |

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  
Moisture analyzer accessories  
Barcode scanners

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

## Software

RAD-KEY

RADWAG Development Studio

## Device dimensions

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