



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

# 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

| Metrological parameters        |   |
|--------------------------------|---|
| 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 ~ 2 g), ±0.01 % (sample ~ 10 g) |

| <b>Metrological parameters</b>      |  |
|-------------------------------------|--|
| 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                        | 100 – 120 V AC 50/60 Hz or 200-240 V AC 50/60 Hz   |
| 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)                           |
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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) |

<sup>1</sup> 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 [WX-010-0005]

• RADWAG Development Studio [WX-010-0104]

## Device dimensions

