



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

MA 50/1.R Moisture Analyzer



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

Functions



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 ~ 2g), +/-0.01% (sample ~ 10g)
Moisture content readability	0.0001%
Drying temperature range	max 160 °C

Physical parameters	
Leveling system	manual
Display	LCD (backlit)
Weighing pan dimensions	ø90, h= 8 mm
Packaging dimensions	476×381×346 mm
Net weight	4.8 kg
Gross weight	6 kg
Protection class	IP 43
Maximum sample height	20 mm
Communication interface	
Communication interface	RS232 ¹ , USB-A, USB-B, Wi-Fi
Electrical parameters	
Power supply	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz
Power consumption	4 W
Heating module power	450 W
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
Features of use	
Drying method	4 drying profiles (standard, fast, step, mild)
Finish mode	4 modes (automatic, manual, time-defined, user-defined)
Additional functions	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

Barcode scanners

- PD9330-AR Barcode Scanner [WX-006-0030]
- LS2208 Barcode Scanner [WX-006-0005]

Moisture analyzer accessories

- Fabric Dust Cover for MA R, MA X2 Moisture Analyzers [WX-003-0026]
- Glass Fibre Filters [WX-003-0102]
- Transport Case for MA X2, MAR Moisture Analyzer [WX-003-0023]
- GT105k-12/Z Control Thermometer [WX-003-0016]
- Disposable Pans [WX-003-0002]
- Reference Material Sodium Chloride [WX-003-0103]
- Water Vapour Permeability Determination Set [WX-003-0009]
- MV Test Set [WX-003-0104]
- Voluminous Sample Container [WX-003-0029]

Antivibration Tables

- SAL/C Laboratory Anti-Vibration Table [WX-001-0076]

Receipt Printer

- RTP-UEW80 Radwag Thermal Receipt Printer (USB + Ethernet + WiFi) [WX-007-0118]
- RTP-RU80 Radwag Thermal Receipt Printer (RS232 + USB) [WX-007-0119]

RS 232, RS 485 cables

- P0108 Cable [WX-013-0003]
- P0108.5 Cable [WX-013-0161]

RS 232 cables (scale - printer)

- P0151 Cable [WX-013-0002]

Software

- RAD Key [WX-010-0005]
- E2R Moisture Analyzers [WX-010-0072]
- RADWAG Development Studio [WX-010-0104]
- LabVIEW "Radwag Balances & Scale" Driver [WX-010-0105]
- Alibi Reader [WX-010-0114]

Device dimensions

