



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

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

Metrological parameters	
Maximum capacity [Max]	50 g
Readability [d]	1 mg
Tare range	-50 g
Adjustment	internal (automatic)
Maximum sample weight	50 g
Heating module	IR emitter
Moisture content repeatability	+/-0.05% (sample ~ 2g), +/-0.01% (sample ~ 10g)

Metrological parameters	
Moisture content readability	0.001%
Drying temperature range	max 160 °C
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	10" touchscreen
Weighing chamber	automatic
Maximum sample height	20 mm
Weighing pan dimensions	ø90, h= 8 mm
Packaging dimensions	476×381×346 mm
Net weight	5.3 kg
Gross weight	6.5 kg
Construction	
Protection class	IP 43
Features of use	
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
Communication interface	
Communication interface	USB-A x2, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz
Power consumption	6 W
Heating module power	450 W
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
SOP – metrological tests	
Mass indication control	External mass standard 50 g, 100 g, 200 g (depending on the type of moisture analyzer)
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
Adjustment	
Internal / External adjustment	Depending on the type of moisture analyzer, GLP report
Drying temperature adjustment	Three-point adjustment at defined temperatures, programmable values (equipment: GT105k-12/Z Control Thermometer)

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

- SAL/STONE/H Stainless Steel Antivibration Table [WX-001-0079]
- SAL/STONE/C Antivibration Table [WX-001-0078]
- SAL/C Laboratory Anti-Vibration Table [WX-001-0076]

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]

Additional modules

- RES Radwag Extended SI Module (5Y, CY10) [WX-016-0315]
- 21 CFR Part 11 Compliance Module (4Y, 5Y, CY10) [WX-001-0133]

Barcode scanners

- LS2208 Barcode Scanner [WX-006-0005]

USB Hubs

- USB 3.0 Hub [WX-015-0286]

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]

Fingerprint Reader

Protective cover for balances

- Protective Cover for X2 Balance [WX-001-0094]

RS 232, RS 485 cables

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

Additional modules

- 21 CFR Part 11 Compliance Module (X2) [WX-001-0187]

RS 232 cables (scale - printer)

- P0151 Cable [WX-013-0002]

RS 232 – RS 485 Converter

- KR-01 Converter [WX-004-0021]

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

