



More information on the website
radwag.com/en/info,w1,SJ6

MA 210.5Y 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] | 210 g |
| Readability [d] | 1 mg |
| Tare range | -210 g |
| Adjustment | external |
| Maximum sample weight | 210 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 | 5.4 kg |
| Gross weight | 6.9 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) |
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| 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

