



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

## MA 50.X7.A Moisture Analyzer



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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

MA 50.X7.A Moisture Analyzer	
<b>Metrological parameters</b>	
Maximum capacity [Max]	50 g
Readability [d]	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	0,001%
Drying temperature range	Max 160 °C
<b>Physical parameters</b>	
Leveling system	manual
Display	7" touchscreen
Weighing chamber	automatic
Maximum sample height	20 mm
Weighing pan dimensions	ø90, h= 8 mm
Packaging dimensions	476×381×346 mm
Net weight	5,16 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, Ethernet, Wi-Fi
<b>Electrical parameters</b>	
Power supply	100V – 120V AC 50/60Hz or 200V-240V AC 50/60Hz
Power consumption	6 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  
Protective cover for balances

RS 232, RS 485 cables  
Additional modules  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter

## Software

RAD-KEY  
Alibi Reader  
RADWAG Development Studio

E2R System  
Scales Editor 2.1

## Device dimensions

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