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# MYA 5.5Y.F1 Microbalance

WL-109-0025



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

## Functions

-  Autotest
-  Percent Weighing
-  Peak hold
-  Statistics
-  IR sensors
-  GLP Procedures
-  Air density correction
-  Moveable range
-  Differential weighing
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  ALIBI Memory
-  Wi-Fi

## Datasheet

Metrological parameters	
Maximum capacity [Max]	5,1 g
Minimum load	0,1 mg
Readability [d]	1 µg
Verification unit [e]	1 mg
Tare range	-5,1 g
Minimum weight (USP)	1,2 mg

<b>Metrological parameters</b>	
Minimum weight (U=1%, k=2)	0,12 mg
Standard repeatability [Max]	1,6 µg
Standard repeatability [5% Max]	0,6 µg
Permissible repeatability [Max]	2,4 µg
Permissible repeatability [5% Max]	1,2 µg
Linearity	±5 µg
Eccentric load deviation	5 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	max 8 s
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	automatic – Reflex Level System
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	Microbalance, terminal, weighing pan, weighing pan for filters, centring ring, power supply, pincette, brush, fabric dust cover.
Weighing chamber dimensions	ø 168×35 mm
Weighing pan dimensions	ø160 + ø26 mm
Packaging dimensions W x D x H	755×655×455 mm
Net weight	10,6 kg
Gross weight	16,5 kg
<b>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A Balance: 12 – 15V DC 1,4A max; 9 – 17W*
<b>Environmental conditions</b>	
Operating temperature	+10 – +40 °C
Operating temperature change rate	±0,3 °C / 1 h (±1 °C / 8 h)
Relative humidity	40% – 80%
Relative humidity change rate	±1% / h (±4% / 8 h)

**Repeatability** is expressed as a standard deviation from 10 cycles of mass standard weighing.

**Stabilization time** depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

\* The power supply can be connected to the socket on the back of the balance housing or to the terminal.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Additional fee for verification



## Accessories (Additional Fee)

MediaBox

RFID Tags

Antivibration tables

Power Adapters

Additional modules

Anti-Draft Chamber for Microbalances

Professional Weighing Tables

Antistatic ionizer

Protective cover for balances

Barcode scanners

RS 232, RS 485 cables

THBR 2.0 System - Ambient Conditions Monitoring

Receipt Printer

Fingerprint Reader

RS 232 – USB Converter

## Software (Additional Fee)

• E2R Weighing [WX-010-0099]

• Label Editor R02 [WX-010-0094]

• Scale Editor - EWAG 2.1 [WX-010-0173]

• RAD Key [WX-010-0005]

• RADWAG Remote Desktop [WX-010-0107]

• RADWAG Development Studio [WX-010-0104]