

















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

# MYA 5.5Y.F1 Microbalance



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 |
| Standard repeatability [5% Max] | 0.6 µg |

| Metrological parameters             |  |
|-------------------------------------|--|
| Standard repeatability [Max]        | 1.6 µg   |
| Standard minimum weight (USP)       | 1.2 mg   |
| Standard minimum weight (U=1%, k=2) | 0.12 mg  |
| Permissible repeatability [5% Max]  | 1.2 µg   |
| Permissible repeatability [Max]     | 2.4 µg   |
| Linearity                           | ±5 µg  |
| Eccentric load deviation            | 5 µg   |
| Sensitivity time drift              | 1×10 <sup>-6</sup> /Year×Rt  |
| Stabilization time                  | max 8 s  |
| Adjustment                          | internal (automatic)   |
| OIML Class                          | I  |
| Physical parameters                 |  |
| 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                | 755×655×455 mm   |
| Net weight                          | 10.2 kg  |
| Gross weight                        | 14.7 kg  |
| Communication interface             |  |
| Communication interface             | 2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot   |
| Electrical parameters               |  |
| Power supply                        | Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A<br>Balance: 12 – 15V DC 1.4A max*   |
| Environmental conditions            |  |
| 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.



Extra payment for verification



## Accessories

MediaBox  
RFID Tags

Barcode scanners  
RS 232, RS 485 cables

Antivibration Tables  
Power Adapters  
Additional modules  
Anti-Draft Chamber for Microbalances  
Professional Weighing Tables  
Antistatic ionizer  
Protective cover for balances

THBR 2.0 System - Ambient Conditions Monitoring  
RS 232, RS 485 cables  
Receipt Printer  
Fingerprint Reader  
RS 232 – USB Converter  
Protective cover for balances

## Software

- E2R Weighing [WX-010-0099]
- Label Editor R02 [WX-010-0094]
- Scale Editor 2.1 [WX-010-0173]

- RAD Key [WX-010-0005]
- RADWAG Remote Desktop [WX-010-0107]
- RADWAG Development Studio [WX-010-0104]