



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

MYA 5.4Y.F1 Microbalance



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

Functions

-  Autotest
-  Dosing
-  Percent Weighing
-  Parts counting
-  Formulation
-  Newton unit measurement
-  Statistics
-  Checkweighing
-  IR sensors
-  GLP Procedures
-  Animal weighing
-  Air density correction
-  Differential weighing
-  Ambient conditions monitoring
-  Replaceable unit
-  Statistical Quality Control
-  Wi-Fi

Datasheet

Metrological parameters	
Maximum capacity [Max]	5.1 g
Minimum load	100 µg
Readability [d]	1 µg
Verification unit [e]	1 mg

Metrological parameters	
Tare range	-5.1 g
Standard repeatability [5% Max]	0.6 µg
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 offset	$1.5 \times 10^{-6} \times R_t$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times R_t$
Stabilization time	max 8 s
Adjustment	internal (automatic)
OIML Class	I
Sensitivity temperature drift	$1 \times 10^{-6} / ^\circ\text{C} \times R_t$
Physical parameters	
Leveling system	semi-automatic - LevelSENSING
Display	5.7" resistive 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	ø168×35 mm
Weighing pan dimensions	ø160 + ø26 mm
Packaging dimensions	755×655×455 mm
Net weight	10.2 kg
Gross weight	14.7 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×RS232, 2×USB-A, Ethernet, 4 IN / 4 OUT (digital), Wi-Fi
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2.4A Balance: 12 – 15V DC 1.1A max
Environmental conditions	
Operating temperature	+10 ÷ +40 °C
Operating temperature change rate	±0.3°C/1h (±1°C/8h)
Relative humidity	40% ÷ 80%
Relative humidity change rate	±1%/h (±4%/8h)

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

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

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

Accessories

Filter Chamber Tray
RS 232, RS 485 cables
Label Printers
Antivibration Tables

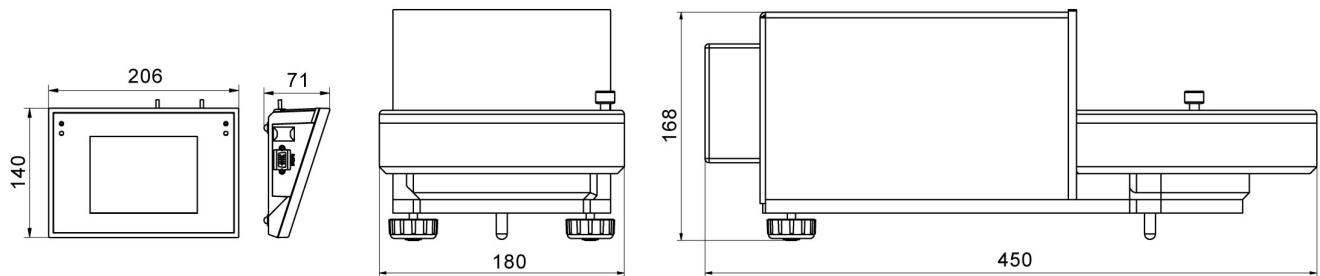
RS 232, RS 485 cables
RS 232 – USB Converter
Professional Weighing Tables

Software

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

- R-Lab [WX-010-0080]

Device dimensions



F1 version