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# 5Y.50.PM Precision Balance

WL-224-0006



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

## Functions

-  Autotest
-  Dosing
-  Percent Weighing
-  Parts counting
-  Peak hold
-  Formulation
-  Newton unit measurement
-  Statistics
-  Checkweighing
-  IR sensors
-  Under-pan weighing
-  GLP Procedures
-  Animal weighing
-  Pipettes Calibration
-  Air density correction
-  Density determination
-  Differential weighing
-  Ambient conditions monitoring
-  Statistical Quality Control
-  Packaged Goods Control
-  ALIBI Memory
-  Wi-Fi

## Datasheet

| Metrological parameters |       |
|-------------------------|-------|
| Maximum capacity [Max]  | 50 kg |
| Minimum load            | 5 g   |

| Metrological parameters         |                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| Preload range                   | 5 kg                                                                                          |
| Readability [d]                 | 0.1 g                                                                                         |
| Verification unit [e]           | 1 g                                                                                           |
| Tare range                      | -50 kg                                                                                        |
| Minimum weight (USP)            | 82 g                                                                                          |
| Minimum weight (U=1%, k=2)      | 8.2 g                                                                                         |
| Standard repeatability [Max]    | 0.15 g                                                                                        |
| Standard repeatability [5% Max] | 0.041 g                                                                                       |
| Linearity                       | ±0.3 g                                                                                        |
| Stabilization time              | 1 s                                                                                           |
| Adjustment                      | internal (automatic)                                                                          |
| OIML Class                      | II                                                                                            |
| Physical parameters             |                                                                                               |
| Leveling system                 | semi-automatic – LevelSENSING                                                                 |
| Display                         | 10" graphic colour touchscreen                                                                |
| Delivery components             | Precision Balance, weighing pan, fabric dust cover, power supply.                             |
| Weighing pan dimensions         | 350×260 mm                                                                                    |
| Packaging dimensions W x D x H  | 520×520×280 mm                                                                                |
| Net weight                      | 12 kg                                                                                         |
| Gross weight                    | 14.2 kg                                                                                       |
| Construction                    |                                                                                               |
| Protection class                | IP 43                                                                                         |
| Communication interface         |                                                                                               |
| Communication interface         | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot                                 |
| Electrical parameters           |                                                                                               |
| Power supply                    | Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2.4A<br>Balance: 12 – 15V DC 1.4A max; 9 – 17W* |
| Environmental conditions        |                                                                                               |
| Operating temperature           | +10 – +40 °C                                                                                  |

**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.

\* Power consumption depends on the terminal configuration and the number and type of external devices connected.

**Preload** - value equal to ±10% of the maximum load [Max] of the legalised balance. It is possible to start the balance with the mass placed on the pan equal to the maximum preload value.

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



Additional fee for verification



## Accessories (Additional Fee)

MediaBox

Balance Storage Case

RFID Tags  
Antivibration Tables  
Power Adapters  
Additional modules  
Professional Weighing Tables  
Protective cover for balances  
Barcode scanners

Under-pan weighing  
RS 232, RS 485 cables  
Stands, wall mounting kits and mounting brackets  
Receipt Printer  
Fingerprint Reader  
RS 232 – USB Converter

## Software (Additional Fee)

- E2R Weighing [WX-010-0099]
- RADWAG Remote Desktop [WX-010-0107]
- Label Editor R02 [WX-010-0094]
- Scale Editor 2.1 [WX-010-0173]

## Device dimensions W x D x H

