



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

WLC 30/F1/R Precision Balance, WLC 12/F1/R Precision Balance



WLC 30/F1/R Precision Balance  
WLC 12/F1/R Precision Balance

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

## Functions



Plus/Minus Control



Percent Weighing



Totalizing



Parts counting



Internal battery



Peak hold



Newton unit  
measurement

# Datasheet

|                                    | WLC 12/F1/R Precision Balance   | WLC 30/F1/R Precision Balance   |
|------------------------------------|---|---|
| <b>Metrological parameters</b>     |   |   |
| <b>Maximum capacity [Max]</b>      | 12 kg   | 30 kg   |
| <b>Readability [d]</b>             | 0,2 g   | 0,5 g   |
| <b>Verification unit [e]</b>       | -   | -   |
| <b>Tare range</b>                  | -12 kg  | -30 kg  |
| <b>Repeatability</b>               | 0,2 g   | 0,5 g   |
| <b>Linearity</b>                   | ±0,6 g  | ±1,5 g  |
| <b>Stabilization time</b>          | 3 s   | 3 s   |
| <b>Adjustment</b>                  | external  | external  |
| <b>Physical parameters</b>         |   |   |
| <b>Leveling system</b>             | manual  | manual  |
| <b>Display</b>                     | LCD (backlit)   | LCD (backlit)   |
| <b>Weighing pan dimensions</b>     | 300×300 mm  | 300×300 mm  |
| <b>Packaging dimensions</b>        | 570×390×170 mm  | 570×390×170 mm  |
| <b>Net weight</b>                  | 4,73 kg   | 4,8 kg  |
| <b>Gross weight</b>                | 5,5 kg  | 6 kg  |
| <b>Construction</b>                |   |   |
| <b>Protection class</b>            | IP 43   | IP 43   |
| <b>Communication interface</b>     |   |   |
| <b>Communication interface</b>     | RS232   | RS232   |
| <b>Electrical parameters</b>       |   |   |
| <b>Power supply</b>                | Adapter: 100 – 240V AC 50/60Hz 0,6A;<br>12V DC 1,2A<br>Balance: 10 – 15VDC 0,6A max | Adapter: 100 – 240V AC 50/60Hz 0,6A;<br>12V DC 1,2A<br>Balance: 10 – 15VDC 0,6A max |
| <b>Operation time on batteries</b> | 10 h (average time)   | 10 h (average time)   |
| <b>Environmental conditions</b>    |   |   |
| <b>Operating temperature</b>       | +15 ÷ +30 °C  | +15 ÷ +30 °C  |

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.



## Accessories

Antivibration Tables  
Power Adapters  
RS 232 cables (scale - printer)  
Cigarette lighter receptacle power supply cables  
Displays  
RS 232, RS 485 cables  
RS 232 – Ethernet Converter

AP2-1 Current Loop Unit  
RS 232, RS 485 cables  
RS 232 – USB Converter  
RS 232 cables (scale - printer)  
RS 232 – RS 485 Converter  
Receipt Printer

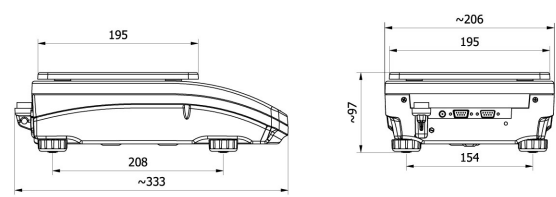
## Software

RAD-KEY  
R-LAB

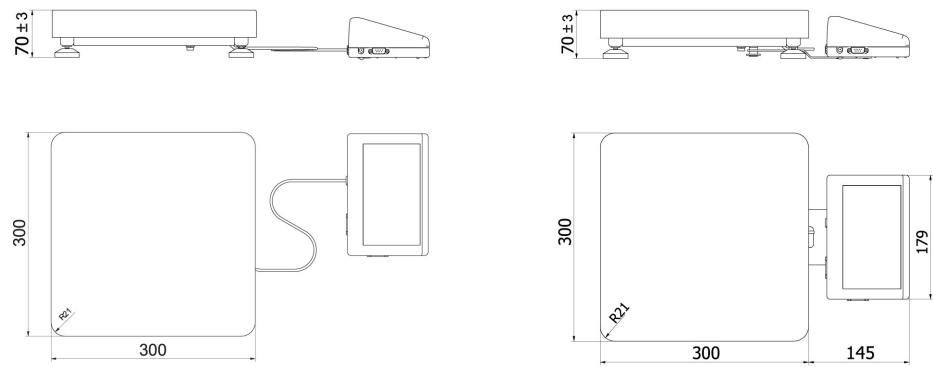
R Panel  
Scales Editor 2.1

# Device dimensions

WLC 30/F1/R Precision Balance, WLC 12/F1/R Precision Balance

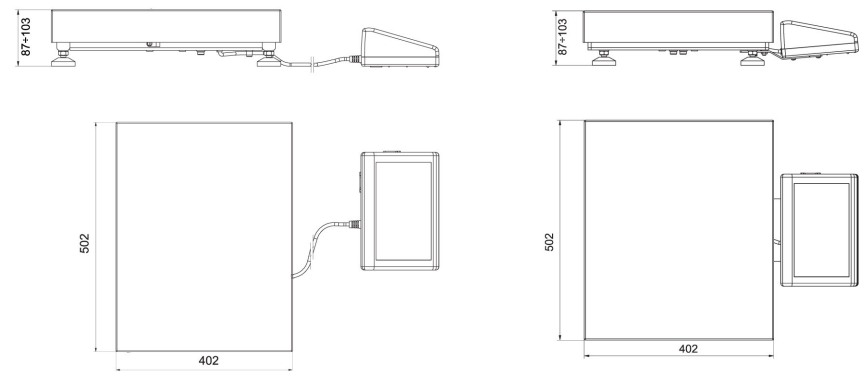


WLC A2



WLC F1/K

WLC F1/R



WLC C2/K

WLC C2/R