

# RAVAS

*USER MANUAL*  
**RWB-ND**  
**RWB-PL**  
**RAVAS WEIGHING BEAMS  
AND PLATFORM SCALES**

**RWB-PL**



**RWB-ND**



We would like to inform you that this RAVAS product is 100% recyclable on the basis that the parts are processed and disposed of in the right manner.

More information can be found on our website: [www.ravas.com](http://www.ravas.com)

Rev. 20211213  
Printing/Typographical errors and model changes reserved.



**PLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE**

If you have any queries concerning the duration and terms of the guarantee, please contact your supplier. We would also refer you to our General Sale and Supply Conditions, which are available on request.

The manufacturer accepts no liability for any damage or injury caused by failure to follow these instructions, or from negligent operation or assembly, even if this is not expressly stated in this instruction manual.

In light of our policy of continuous improvement, it is possible that details of the product may differ from those described in this manual. For this reason, these instructions should only be treated as guidelines for the installation of the relevant product. This manual has been compiled with all due care, but the manufacturer cannot be held responsible for any consequences of errors. All rights are reserved and no part of this manual may be reproduced in any way.

## **Table of Contents**

<b>1. Introduction</b>	<b>4</b>
<b>2. Warning &amp; Safety measures</b>	<b>4</b>
<b>3. Taking the system into operation</b>	<b>5</b>
<b>4. Maintenance</b>	<b>5</b>
<b>5. Use</b>	<b>6</b>
5.1 Use (accurate weighing)	6
5.2 Net / Tare / Gross weight	7
<b>6. RAVAS WeightsApp</b>	<b>8</b>

# 1. Introduction

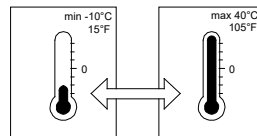
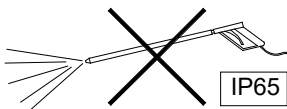
This manual describes the use of the **RAVAS Weighing Beams and Platform Scales**. Read this manual carefully. The installer must be informed of the contents of this manual. Always do things in the correct order. This manual should be kept on a safe and dry place. In case of damage or loss the user may request a new copy of the manual from RAVAS.

## 2. Warning & Safety measures

When using the **RAVAS weighing beams and platform scales**, please observe carefully the instructions and guidelines contained in this manual. Always perform each step in sequence. If any of the instructions are not clear, please contact RAVAS.



- All safety regulations that apply to the weighing systems remain valid and unchanged;
- No weighing operations are allowed if any persons or objects are in the vicinity; around, under or close to the load;
- Any modifications done to the system must be approved in writing by the supplier, prior to any work being completed;
- It is the sole responsibility of the purchaser to train their own employees in the proper use and maintenance of this equipment;
- Do not operate this unit unless you have been fully trained in its capabilities;
- Check the accuracy of the scale on a regular basis to prevent faulty readings;
- Only trained and authorized personnel are allowed to service the scale;
- Always follow the operating and maintenance instructions of the weighing system and ask the supplier when in doubt;
- RAVAS is not responsible for errors that occur due to incorrect weightings or inaccurate scales.



Should you have any further questions after reading this manual then you can contact us at:

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5301 KM Zaltbommel  
Netherlands  
Changes reserved.

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Internet: [www.ravas.com](http://www.ravas.com)  
Email: [info@ravas.com](mailto:info@ravas.com)

### 3. Taking the system into operation

To activate the weighing system, turn it on using the on/off button on the terminal.

After 3 to 5 minutes the electronics and load cells have reached the operational temperature. Before this, inaccuracies of up to ca. 0.3% may occur.

**Please note:**

- It is recommended not to weigh loads before the zero-point correction has been executed.
  - Temperature range: between -10 and +40°C the maximum inaccuracy is 0.1% of the weighed load. Outside this range inaccuracies up to 0.3% may occur.
  - Fast temperature changes must be avoided because it can cause condensation in the electronics. During acclimatisation the weighing system must be switched off.
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### 4. Maintenance

From time to time, every weighing system has to be calibrated. Yearly maintenance of the weighing system is recommended. We strongly recommend that approved weighing systems should be calibrated yearly, by a certified institution.

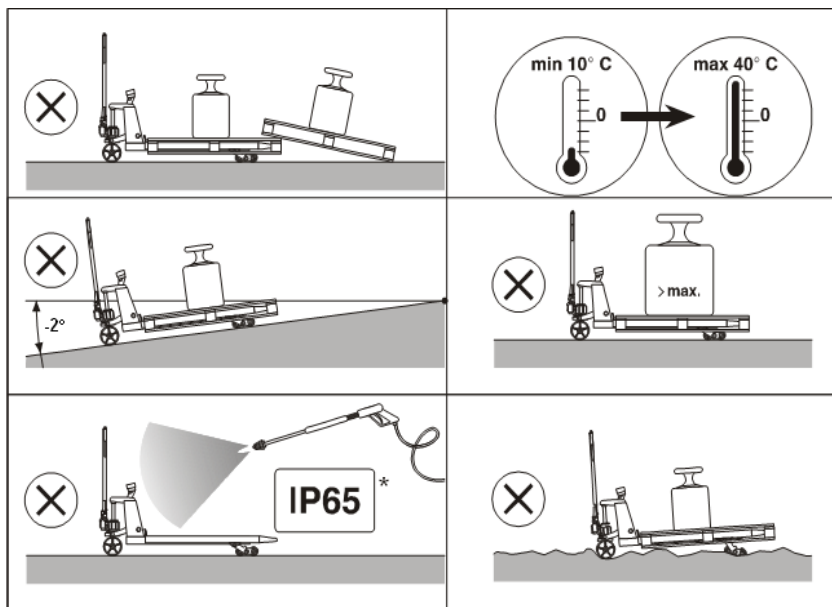
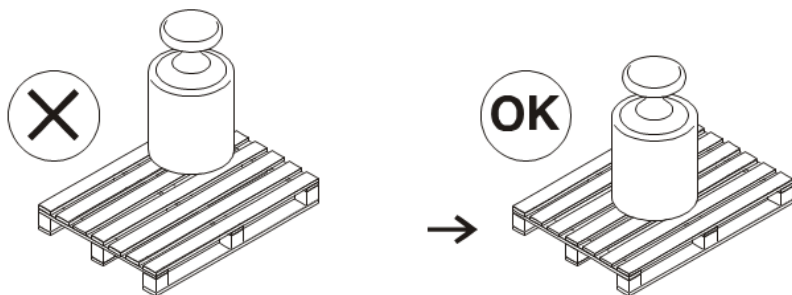
Maintenance guidelines for a standard weighing beam or platform scale also apply to the mechanical parts of the mobile weighing system. From experience we know that the integrated weighing system still functions when the mechanical parts are damaged by overloading.


Main guidelines:

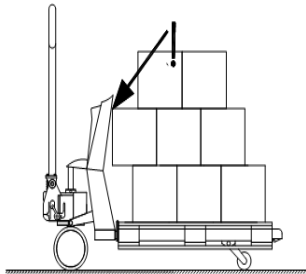
- The electronics may only be cleaned with a moist cloth. Chemical cleansers and high pressure cleansing will cause damage
- Gathering dirt between the parts of the system can negatively influence the accuracy. Therefore, the system should be checked and cleaned regularly. Do not use high pressure cleansing.
- Only specialists may undertake any welding. This is to avoid damage to electronics and load cells.

## 5. Use

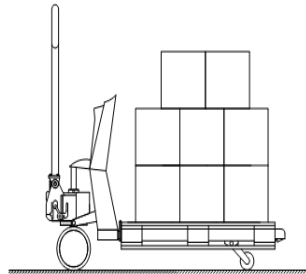
### 5.1 Use (accurate weighing)



\* excl. 



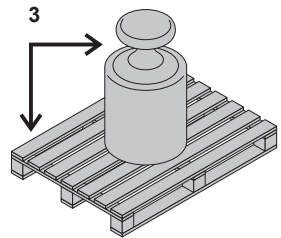
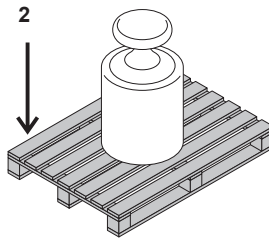
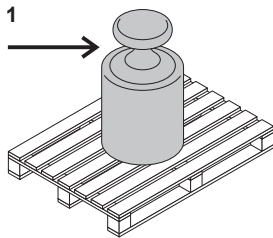
Wrong way of lifting the load



Correct way of lifting the load

## 5.2 Net / Tare / Gross weight

EXPLANATION:  $Net(1) + Tare(2) = Gross(3)$



## 6 RAVAS WeightsApp

With the RAVAS WeightsApp you can read the data from your mobile weighing system directly from your smartphone or tablet.

The app not only displays the weight in large digits on a smartphone or tablet, it also stores the weighed gross weights, tare weight, product code, date & time and the ID of the device or operator. The data can be sent to any email address as a CSV file, after which it can be imported in a spreadsheet program on a PC.



### From the app you can:

- enter the ID of an operator or device
- enter tares (automatically or manually)
- zero the weighing system

Date and time are automatically generated. If your Android device has an integrated barcode scanner, you can use it to enter product IDs.

In addition the app makes it possible to download a log file from the RAVAS indicator and send it for technical analysis as a CSV file in the event of malfunctioning.

The RAVAS WeightsApp can be downloaded for free from Google Play and the Apple Store.

For instructions for the use of the RAVAS WeightsApp see [www.ravas.com](http://www.ravas.com).