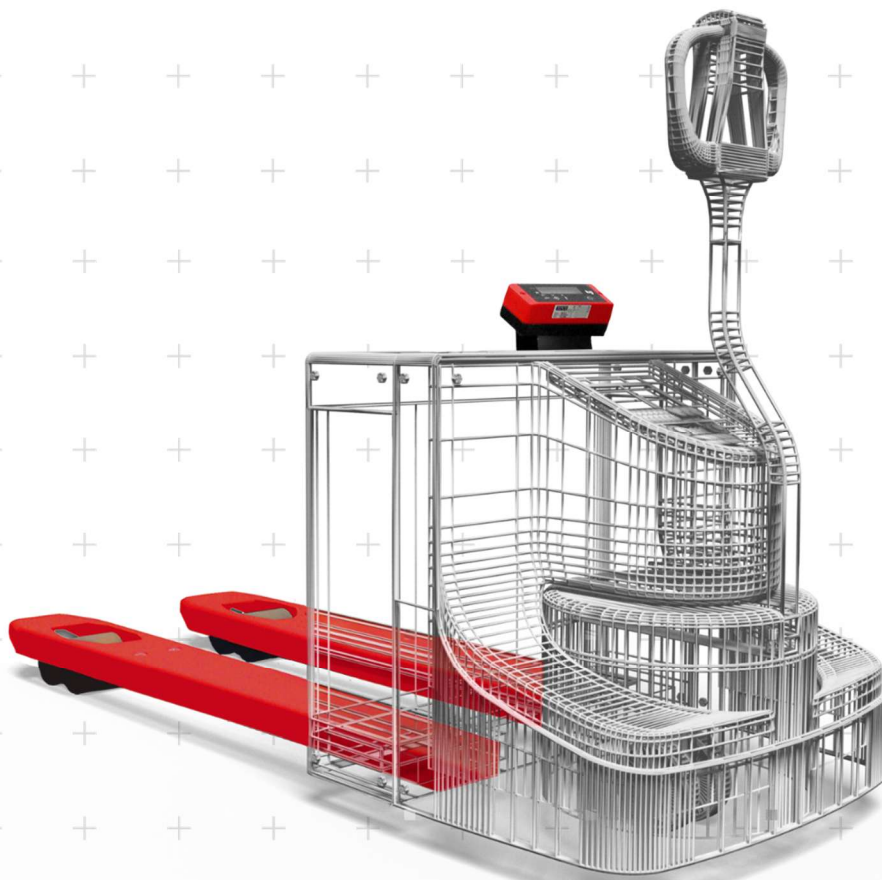


RAVAS RPW EL

RAVAS
creating intelligence



User Manual

User manual


Index

page

The weighing system for the electric pallet trucks

1.	Taking the system into operation	3
2.	Use	3
3.	Maintenance	4
4.	The indicator	5

RAVAS Europe BV

 Veilingweg 17
5301 KM Zaltbommel
Netherlands

 +31 418 515220
 www.ravas.com
 info@ravas.com

We would like to inform you about the fact that this RAVAS product is 100 % recyclable on the basis that the parts are processed and disposed off in the right manner.
More information can be found on our website www.ravas.com.



Rev.20250731
Printing/typographical errors and model changes reserved

THE WEIGHING SYSTEM FOR ELECTRIC PALLET TRUCKS

1. TAKING THE SYSTEM INTO OPERATION

To activate the weighing system, turn it on using the on/off (①) button on the terminal.

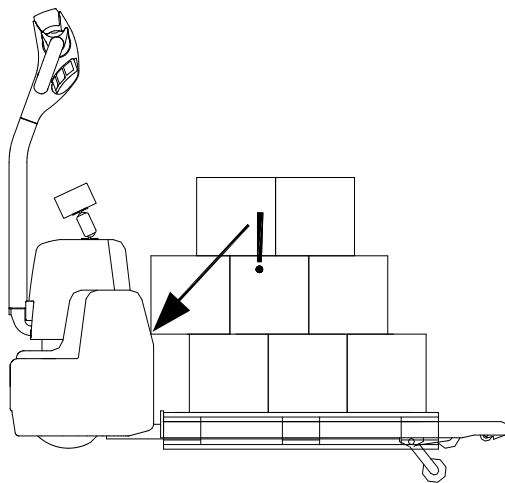
After 3 to 5 minutes the electronics and load cells have reached the operational temperature. Before this, inaccuracies of up to ca. 0.3% may occur.

It is recommended not to lift loads before the zero-point correction has been executed.

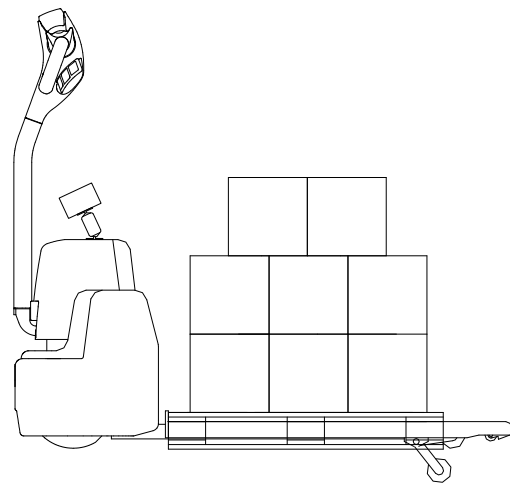
2. USE

The indicator's power is supplied by the truck's battery. When the voltage of the battery becomes too low, a message will be shown and the indicator switches off automatically.

The weight must be lifted freely: the weight may not touch parts of the truck body or other pallets:



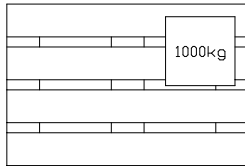
Wrong way of lifting the load



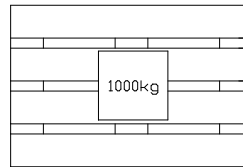
Correct way of lifting the load

The accuracy of the weighing system diminishes with circa 0.1% per degree starting from a tilted position of 2°. This effect also occurs with pits/potholes in the floor. An even floor is optimal.

The most accurate weighing result is obtained when the centre of gravity of the load is placed between the forks. With a non-centric loading, the forks will torque and bend. This may result in a higher inaccuracy. With legal for trade versions, the level control will switch off the indicator with a non-centric loading or a tilted position of more than 2 degrees (- - - in display).



Non-optimal placement of the load



Optimal placement of the load

If a system has fork length > 1200 mm, the load should be divided over the forks. Bended forks shoes will occur by point loads > 500 kg and will need to be repaired (no warranty)

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.

3. 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 electric pallet truck 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.

4. THE INDICATOR

See attached manual of the indicator type.