

OPERATOR MANUAL

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1. USING THE RCS PLUS

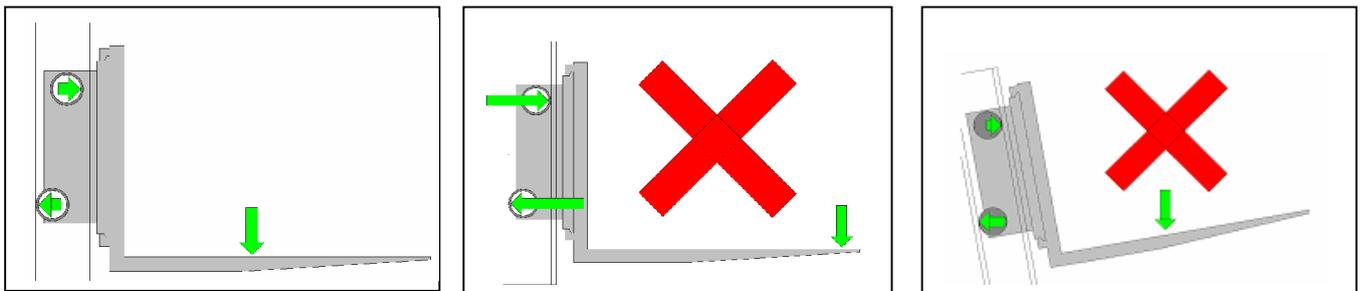
1.1. TURNING ON/OFF THE INDICATOR

To activate the weighing system, turn it on using the on/off (ⓘ) button on the terminal. The indicator will complete the start up routine after 5 seconds. The display shows “ - “.

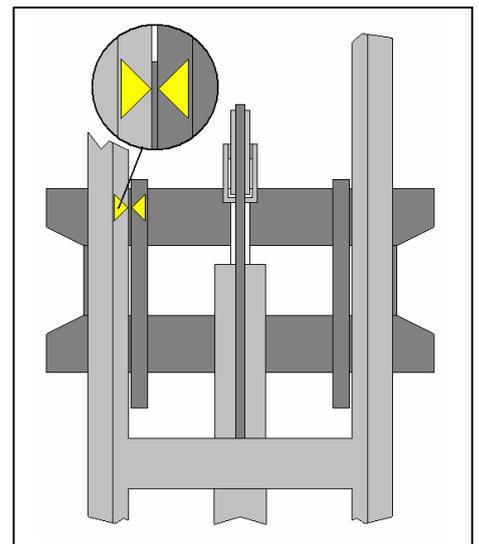
The indicator can be switched off by pressing the on/off (ⓘ) button shortly.

1.2. WEIGHING

- Pick up the load with the forklift truck.
 - ❑ Put the centre of gravity of the load in the middle of the forks.
 - ❑ Keep the mast vertical while weighing.
 - ❑ If the truck is equipped with a side-shift, the forks must be positioned in the middle.



- Lift the carriage plate up to the reference height, which is indicated by the yellow stickers.
- Press the Σ button.
 - ❑ The forks will lower for 4 seconds.
 - ❑ The display shows “CALC”.
 - ❑ After having been calculated, the actual measured weight is shown in the display.
- To enable a new weighing, first the forks should be unloaded. Then a new weighing can be done!



1.3. ZERO WEIGHING

After activating the indicator with the on/off (ⓘ) button, a zero weighing should be carried out. This means performing an unloaded weighing to check the zero-point. In case there is a difference of greater than 2 kg, see chapter 4: Recommendations to improve weighing accuracy. If this does not help, please do a zero calibration, as described in chapter 2.

2. CALIBRATION

2.1. ZERO CALIBRATION

Make sure the system is unloaded.

- Press →0/T← for more than 1 second.
 - ❑ The display shows “0-Adj”.
- Bring empty forks to the reference height with maximum lifting speed.
- Activate calibration-weighing directly afterwards by pressing Σ.
 - ❑ The forks will lower for 4 seconds.
 - ❑ The display shows “CALC”.
 - ❑ After this weighing, the display will show the calibration percentage shortly, e.g. “AP-30.2”.
 - ❑ Subsequently the display shows “0”.

2.2. SPAN CALIBRATION

See installation manual (only needs to be done if the system is inaccurate).

3. INDICATOR FUNCTIONS

3.1. NET WEIGHING: PRESET TARE

- Shortly press the ↔PT button.
 - ❑ The last used tare weight is shown in the display, the right digit flashes.
- If needed, modify the value in the display into the desired tare weight by using the ↓, ↑ and √ keys.
- Accept the tare weight by pressing ↓ for 1 second.
 - ❑ The NET sign “◀” is now activated in the display and the preset tare weight is set.
 - ❑ The indicator now operates in “net weighing” mode.

3.2. DEACTIVATE NET WEIGHING MODE

Deactivate the net weighing mode:

- Activate the preset tare menu again by shortly pressing the ↔PT button.
- Shortly press the on/off (⓪) button (Escape function).
 - ❑ The “◀” sign after “NET” will be deactivated.
 - ❑ Subsequently the display shows “ - ”.

3.3. TOTALLING

- After a weighing, press the Σ button to add the weighed load to the total weight.
 - ❑ The value of the display is stored and added to the memory.
 - ❑ In turn, the indicator shows the sequence number (number of weighings) and the (sub)total.
 - ❑ After a few seconds, the system will automatically return to the standard weighing mode.

3.4. RESETTING TOTALLED WEIGHT

- Press the Σ button for more than 1 second to refer to the total weight calculated thus far (without totalling).
 - ❑ In turn, the indicator shows the sequence number (number of weighings) and the (sub)total currently in the memory.
- During this cycle, press the Σ button to clear the memory.
 - ❑ After a few seconds, the system will automatically return to the standard weighing mode.
 - ❑ The display shows “ - “.

Escape

If you enter the calibration menu or tare weighing menu unintentionally, you can leave the menu again by shortly pressing the on/off (ⓘ) button.

4. RECOMMENDATIONS TO IMPROVE WEIGHING ACCURACY

- The center of gravity of the load must be at the middle of the forks. A pallet should be picked up as close to the carriage plate as possible.
- The mast of the fork lift truck must be positioned vertically during weighing.
- Especially the mechanical parts, such as the mast, rollers and bearings, will affect weighing accuracy. Therefore it is important that these parts are in good and constant condition:
 - No local wear
 - Clean
 - Good lubrication of mast and chains
 - Frequent maintenance
- Before executing the first weighing or zero weighing after a long break, be sure the truck is in use for at least 5 minutes. If not, move the forks up and down for a couple of cycles (5).
- Always lift to the reference height with a constant speed. The lifting speed should be the same as during calibration of the system. It is most easy for the truck driver to always lift to the reference height with maximum possible speed.

- Frequently check accuracy of the system by doing a zero-weighing, see chapter 1.3. If there is a repeated deviation of more than 2 kg, please perform a new zero-calibration. It is recommended to do this frequently, especially after irregular operation cycles, e.g.:
 - After a long break
 - After intensive usage of the truck

- If the RCS *PLUS* weighing system is installed on a brand new truck, it is recommended to perform a full recalibration after:
 - 3 months
 - 1 year