KERN & Sohn GmbH
Ziegelei 1
D-72336 Balingen
email: info@kern-sohn.com
Phone: +49-[0]7433- 9933-0
Fax: +49-[0]7433-9933-149
Internet: www.kern-sohn.com

Adjustment instructions
Pallet truck scales

KERN VHT

Version 1.0
05/2009
GB

VHT-e-0910

GB

KERN VHT

Version 1.0 05/2009

Adjustment instructions Pallet truck scales

The pallet truck scale can only be adjusted from weighing mode, not out of the piece counting mode.

The pallet truck can be adjusted in two ways: The one-point adjustment and the multiple-point adjustment. In both cases the weighing system must be set to zero.

1 Zeroing

- The scales must be empty.
- The scales must be turned on.
- The scales are not pushed underneath anything and stand absolutely clear of its surroundings.

⇨ Press [↵] for ca. approx. 10 sec.

- After approx. 3 sec. the system shows the value entered as last
- After approx. 7 sec. the balance changes into zeroing mode.
- „Adj08“ to „Adj00“ is displayed
- The zero position is adjusted
- The system displays the percent value of the selected weighing range (5-8%). (a higher percent value means that one or more weighing cells are damaged. A lower value means that the cover of the loading fork has not been fixed.)
- The system automatically returns into weighing mode.

2 Adjustment

The scales have three ways of entering the adjustment points (multi-point adjustment). As these instructions mostly are used in site where it is difficult to adjust several points, here will be explained, how you first can adjust with one point.

2.1 Adjustment with one adjusting point

- The weighing system must be switched-on and stand on zero

⇨ Press [↓] for approx. 10 seconds

- After approx. 3 sec. the system shows the value entered as last
- After approx. 7 sec. the balance changes into adjustment mode
- The first calibration point is displayed.
  in the display flashes [▼] over the symbol → 1 ←
- Using [↑] and [↓] the three values programmed as last can be called up.
- The symbol [▼] changes from to and → 1 ← to → 2 ← and → 3 ←.
  → 1 ← displays the first adjustment point, → 2 ← the second one and → 3 ← the third one.

When adjusting an adjustment point, the second and the third adjustment point must be set to zero.

2.1.1 Set adjustment points two and three on zero

⇨ Use [↑] and [↓] to change to the second adjustment point

- Symbol [▼] flashes at the second adjustment point → 2 ←

⇨ Press [↵]

- In the display appears the value set as last and the segment on the extreme right flashes

⇨ Use [↑], [↓] and [↵] to set all segments to zero

⇨ Press [↵]

⇨ On the same manner set to zero the third adjustment point

Carrying out one-point adjustment:

⇨ Use [↑] and [↓] to select the first adjustment point
- The system displays the value of the first adjustment point
- Symbol [▼] flashes at the first adjustment point → 1 ←

⇨ Weighing system loaded with a known load
⇨ Press [↵] to set the value of the weight
- The extreme right-hand segment flashes

⇨ Use [↑] and [↓] to enter the weight value
⇨ Press [↵] to return to the adjustment mode
- Symbol [▼] flashes at the first adjustment point → 1 ←

⇨ Press [↵] for approx. 3 sec. to confirm the set value
- In the display appears „Adj08“ to „Adj00“
- The adjustment point now is set

⇨ Press [↑] or [↓] to exit the adjustment mode and in the display appears „APXX“; this value shows the compensation number in %, for example „AP07“
⇨ Press [↵]
- In the display appears the value of the local gravity
- Use [↑], [↓] and [↵] to enter the value for the gravity existing in the implantation site

⇨ Use [↵] to return to the weighing mode

2.2 Adjusting with three adjustment points

- The weighing system must be switched-on and stand on zero

⇨ Press [↑] for approx. 10 seconds

- After approx. 3 sec. the system shows the value entered as last
- After approx. 7 sec. the balance changes into adjustment mode
- The first calibration point is displayed.
  in the display flashes [▼] over the symbol → 1 ←
- Using [↑] and [↓] the three values programmed as last can be called up.
- The symbol [▼] changes from → 1 ← to → 3 ← . → 1 ← displays the first adjustment point, → 2 ← the second one and → 3 ← the third one.

⇨ Use [↑] and [↓] to return to the first adjustment point

- The value of the first adjustment point will be displayed.
- Symbol [▼] flashes at → 1 ←

⇨ Weighing system loaded with a known load

⇨ Press [↵]

- The segment on the extreme right flashes

⇨ Use [↑], [↓] and [↵] to enter the weight value

⇨ Press [↵] to return into the adjustment mode

- Symbol [▼] flashes at the first adjustment point → 1 ←

⇨ Press [↵] for approx. 3 sec. to confirm the set value

- In the display appears „Adj08“ to „Adj00“
- The first adjustment point now is set

⇨ Select to the second adjustment point

- Symbol [▼] flashes at → 2 ←

⇨ Repeat process for the second adjustment point

The value of the second weight must be higher than the first weight value. Should this not be the case, in the display appears the message „ERR98“ and the system jumps back to the input of the second adjustment point.

⇨ Repeat process for the third adjustment point

⇨ Press [↑] or [↓] to exit the adjustment mode and in the display appears „APXX“
This value shows the compensation number in %, for example „AP07“

⇨ Press [↵]

- In the display appears the value of the local gravity

⇨ Use [↑], [↓] and [↵] to enter the value for the gravity existing in the implantation site

⇨ Use [↵] to return to the weighing mode.