



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 VHE

Version 1.2
05/2010
GB



VHE-ZB-e-1012



KERN VHE

Version 1.2 05/2010

Adjustment instruction Pallet truck scale




All adjustment activities must be carried out at reference height.

1 Zeroing

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



⇒ Press  button for approx. 8 seconds

- The compensation number goes back from AF 08 to AF 00.
- The scales show which percentage of the weighing range is used, e.g. AP 6.4.
- This percentage must not be more than 50.
- The zero position has been set, the system returns automatically into the weighing mode.


2 Adjustment



The scales have three ways of entering the adjustment points (multi-point adjustment). This has the advantage that systems with better specifications can be set.

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

2.1.1 Set the former adjusting points to zero



⇒ Press  for approx. 18 seconds (in older versions it can also be 8 seconds)
The balance is switched off, until it will be in adjustment mode.
The balance shows the value of the **first** adjustment point,
the lower symbol [◀] blinks

⇒ Using  and  the three values programmed as last can be called up.
The symbol [◀] moves from top to bottom.


- The **lower** position displays the **lowest** value
- The **central** position displays the **mean** value
- The **upper** position displays the **highest** value






Before adjustment with one adjustment point the mean value and the upper value must be set on zero.

⇒ Press  and  until the mean value is displayed.
Symbol [—] blinks

⇒ Press 
The right number lights up.






⇒ Using  and  set display to zero.

⇒ Using  change to the next position
⇒ Set all segments to zero until the symbol [—] blinks


⇒ Press  and  until the highest adjustment value appears on the display
Symbol [◀] blinks

⇒ Repeat the process until all numbers are set to zero

2.2 Realisation – Adjustment with one adjusting point



- ⇒ Return to the lower value
The scales shows the value of the **first** adjustment point, the **lower** symbol ◀ blinks.
- ⇒ Put a known weight on the balance
- ⇒ Bring the balance to reference height
- ⇒ Press 
- ⇒ Enter value of the weight, for this press shortly .
The right number flashes.
- ⇒ Set weight value using  and  and confirm values with .

When the value has been entered, the **lower** symbol [◀] lights up anew.

- ⇒ Press  for approx. 3 seconds, by that the entered values will be acknowledged







The display goes from „AF 08“ to „AF 00“, the first adjustment point is set





Exit the adjustment mode by pressing the keys  and  until in the display „AP XX“ appears. This number means the compensation number in percent, e.g. „AP 40“




Press  until the display goes out automatically

2.3 Several points adjustment


- ⇒ Press  for approx. 18 seconds (in older versions it can also be 8 seconds)
The balance is switched off, until it will be in adjustment mode.
The balance shows the value of the **first** adjustment point, the **lower** symbol [◀] blinks
 - ⇒ Put a known weight on the balance
 - ⇒ Bring scales to reference height
 - ⇒ Press  shortly and enter value of the weight:
The right number flashes.
 - ⇒ Adjust all positions using  and  and confirm value with .
- When the value has been entered, the **lower** symbol [◀] blinks anew.
- ⇒ Press  button for approx. 3 seconds.
The display goes from „AF 08“ to „AF 00“, the **first** adjustment point is set.

- ⇒ Press  The **central** symbol [—] blinks, the value of the **second** adjustment point appears
- ⇒ Put a known heavier weight on the balance (like for adjustment of the first adjusting point)
- ⇒ Bring scales to reference height and enter weight value
- ⇒ Confirm value with 
The **second** reference value has been set

Repeat the process for the **third** reference value


-  Exit the adjustment mode by pressing the keys  and  until in the display „AP XX“ appears.
This number means the compensation number in percent, e.g. „AP 40“

Press  until the display goes out automatically.

-  If you readjust adjusted scales with the help of multi-point adjustment, you should use the smallest weight first, followed by the medium weight and finally the greatest weight.
Use only one adjustment value, then set value 2 and 3 to "0000.0".

-  When the indicator is switched on, the check number appears. This check number will be automatically adjusted after every adjustment.

3 Display check number

- ⇒ Switch balance off and on again using 
The balance displays subsequently:
- 8888.8 (test of the LCD segments)
 - P 7.4 (the software number)
 - 01342 (the check number)
 - 1234 (the current weight, the weighing mode)