

SOEHNLE

PROFESSIONAL

Operating Manual



2873

CE

Thank you for choosing this SOEHNLE PROFESSIONAL product. All the features of this product were designed to the state of the art and are optimised for simple and straightforward use.

If you have any queries or experience any problems not addressed in the operating instructions, please contact your SOEHNLE PROFESSIONAL service partner, or visit us on the Internet at www.soehnle-professional.com.

Intended use

The SOEHNLE PROFESSIONAL Scale is designed for weighing product. These scales are intended for applications subject to compulsory calibration to accuracy class II and applications not subject to compulsory calibration within the EC. The scales comply with the types described in the EC Type Approval Certificate, as well as the applicable requirements of EC Directives 90/384/EEC, 89/336/EEC, 73/23/EEC and European Standard EN 45501.

Safety instructions

Before putting the appliance into use, please read with care the information given in the Operating Instructions. They contain important instructions for installation, proper use and maintenance of the appliance.

The manufacturer shall not be liable for damages arising out of failure to heed the following instructions:

When using electrical components under increased safety requirements, always comply with the appropriate regulations. Never perform work on the appliance while the power is switched on.

Improper installation will render the warranty null and void. Ensure the voltage marked on the power supply unit matches your mains power supply.

The device is designed for use within buildings. Observe the permissible ambient temperatures for use (Technical Information).

The device meets the requirements for electromagnetic compatibility. Do not exceed the maximum values specified in the applicable standards.

If you have any problems, contact your local SOEHNLE PROFESSIONAL service partner.

Cleaning

It is sufficient to clean the scale with a moist cloth and a regular cleaning agent. Do not use any scourers.

Maintenance

The scale does not require any routine maintenance. However, we recommend to check the scale's accuracy at regular intervals. The regularity of these checks is dependent on the level of use and the state of the scale. If any inaccuracies occur, please contact your local dealer or SOEHNLE PROFESSIONAL service partner. Or calibrate it new, see user calibration page 9

Note

Interference suppression of the unit corresponds to the valid EU directive 89/336/EEC.

The display value may be influenced by extreme electrostatic and electro-magnetic interference, e.g. operation of a radio unit or a mobile phone in the immediate vicinity of the unit. When the electrostatic interference is no longer present, the unit can again be used for its intended purpose. You may need to switch it on again. If there is permanent electrostatic interference, we recommend earthing the platform.

The unit is a measuring instrument. Air currents, vibrations, rapid changes in temperature and direct sunlight may have an effect on the accuracy of the scale.

The scale is protected to IP 54 protection class. Therefore, avoid high levels of humidity, vapours, aggressive liquid media and strong contamination.

Warranty - Liability

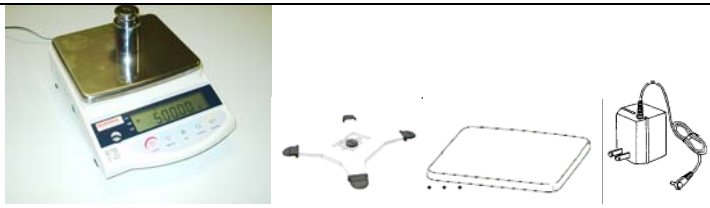

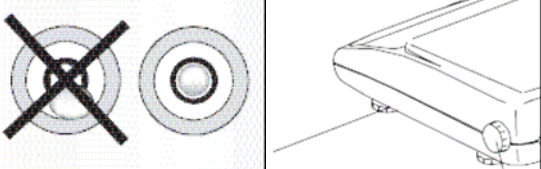

If a fault or defect is present on receipt of the unit which is within SOEHNLE PROFESSIONAL 's scope of responsibility, SOEHNLE shall have the right to either repair the fault or supply a replacement unit. Replaced parts shall be the property of SOEHNLE. Should the fault repairs or replacement delivery not be successful, the statutory provisions shall be valid. The period of warranty shall be two years, beginning on the date of purchase. Please retain your receipt as proof of purchase. Should your scale require servicing, please contact your dealer or SOEHNLE PROFESSIONAL Customer Service.

No responsibility shall be accepted for damage caused through any of the following reasons: Unsuitable or improper storage or use, incorrect installation or commissioning by the owner or third parties, natural wear, changes or modifications, incorrect or negligent handling, overuse, chemical, electrochemical or electrical interference or humidity, unless this is attributable to negligence on the part of SOEHNLE PROFESSIONAL.

If operating, climatic or any other influences lead to a major change in conditions or material quality, the warranty for perfect unit functioning shall be rendered null and void. If SOEHNLE PROFESSIONAL provides an individual warranty, this means that the unit supplied will be free of faults for the length of the warranty period.

Always keep the original packaging in case you have to return the scale.

Getting started

| | | | | | | | | | | | | | |
|---|--|-----------------|-------|----------------------|-------------------|--------------------|------|------------------------|-------------|--------------------|-----|----------------------|--------------|
|  | <p>Unpack all parts:</p> <ul style="list-style-type: none"> • Scale • Measurement pan • Pan base • AC adapter | | | | | | | | | | | | |
|  | <ol style="list-style-type: none"> 1. First, mount the pan base on the main unit of the scale. 2. Place the measurement pan on the pan base | | | | | | | | | | | | |
| | <ol style="list-style-type: none"> 2. Check the mains voltage See AC adapter | | | | | | | | | | | | |
| | <ol style="list-style-type: none"> 3. Install the scale at the point of application. | | | | | | | | | | | | |
|  | <ol style="list-style-type: none"> 4. Align the scale horizontally using the adjustable feet and spirit level.. | | | | | | | | | | | | |
| | <ol style="list-style-type: none"> 5. Connect the power cord | | | | | | | | | | | | |
| | <p>The scale is ready for operation</p> | | | | | | | | | | | | |
| Disposing of the scale | | | | | | | | | | | | | |
|  | <p>This product is not to be treated as regular household waste, but should be handed in to an electrical/electronic equipment recycling centre. You can obtain further details from your local council, your municipal waste disposal company or the firm from which you purchased the product.</p> | | | | | | | | | | | | |
| Technical data | | | | | | | | | | | | | |
| | <table style="width: 100%; border: none;"> <tr> <td style="padding-right: 20px;">Weighing range:</td> <td>4200g</td> </tr> <tr> <td>Division resolution:</td> <td>e = 0,1g d= 0,01g</td> </tr> <tr> <td>Minimum load (Min)</td> <td>0,5g</td> </tr> <tr> <td>Operating temperature:</td> <td>10° - 30° C</td> </tr> <tr> <td>Max. air humidity:</td> <td>80%</td> </tr> <tr> <td>Storage temperature:</td> <td>-15° - 55° C</td> </tr> </table> <p>With built-in weight</p> | Weighing range: | 4200g | Division resolution: | e = 0,1g d= 0,01g | Minimum load (Min) | 0,5g | Operating temperature: | 10° - 30° C | Max. air humidity: | 80% | Storage temperature: | -15° - 55° C |
| Weighing range: | 4200g | | | | | | | | | | | | |
| Division resolution: | e = 0,1g d= 0,01g | | | | | | | | | | | | |
| Minimum load (Min) | 0,5g | | | | | | | | | | | | |
| Operating temperature: | 10° - 30° C | | | | | | | | | | | | |
| Max. air humidity: | 80% | | | | | | | | | | | | |
| Storage temperature: | -15° - 55° C | | | | | | | | | | | | |

The display panel



| Display | | Description |
|----------|--|---|
| g | | Grams |
| →0← | | Zero reading |
| NET | | Net weighing |
| 0 | | Standstill |
| Pcs | | Counting mode |
| % | | Percentage weighing |
| ◀ | | Indication of check weighing (HI/OK/LO) |
| M | | Display of set values from memory |
| * | | Scale is powered up |
| CAL | | Calibration mode |
| 0 F | | Bar graph |

Control keys

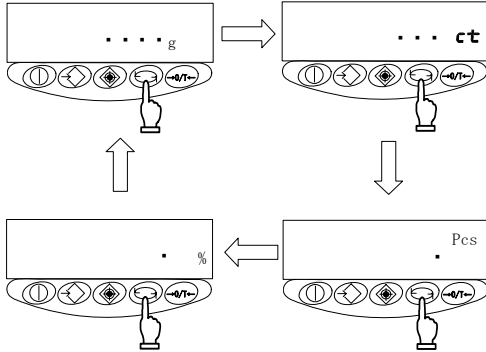
| Key | Function | |
|-----|-----------|--|
| | On/Off | Key to turn on/off the unit power |
| | Memory | Save the settings in different modes Initiates print or output |
| | Set | Starts the functions in the counting and percent mode Starts the check weighing |
| | Function | Unit switch cover Moves the flashing digit in some setups Activates User Mode (only for service) |
| | Zero/Tare | Set to Zero / Tare / Clear tare Selects a function or value in some mode |

Power-on

0.00
g

Press the key, only when the scale is not loaded
After the test routine, the display is set to zero. The scale is ready for use.
Place the weighing product on the scale.
The display shows the gross weight.

Changing the scale unit



It is possible to change between the units g / ct / Pcs und %
Press the key to change the units

Zero

If zero is not indicated when the scale is unloaded, press the key. Possible zero range -1,5..+1,5 % of the weighing range, > 1,5 % = tare

Tare weighing

→0← 0 . | . | | F NET
 g

Place a container on the platform. The weight appears in the display.
Press the key. The display is reset to zero and **NET** is indicated.
Place the weighing product on the scale. After the display settles, the net weight of the weighing product is displayed.

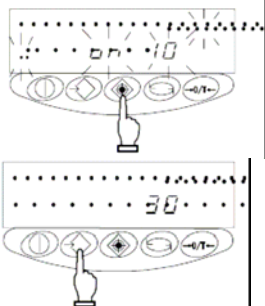
Add-on weighing

Press the key again until „0“ is displayed. Add the additional weighing goods. You can keep doing this up to the maximum load weight.

Clear tare

When scale is empty, press the key again. The display changes from the negative value to zero.

Counting



Press the key until the the display shows **Pcs** Then press the key.
The display shows flashing the reference quantity. Press the key to define the required reference quantity (10, 30, 50 or 100 pcs). Place reference quantity on scale and press the key.

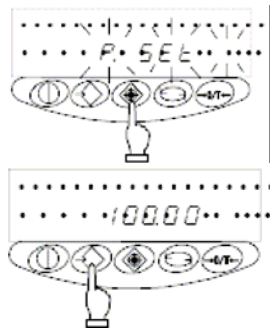
If the display shows **L-Err** the reference quantity is too small. Try it again whis more parts.

To return to the weighing mode press 2x


Note:

The greater the reference quantity, the more precise the part weight can be determined.

Percentage weighing




Allows weight display in percentage based on a reference weight.

Press the  key until the the display shows %

Place reference weight on scale (> 100 x d)

Press the  key. **P.SET** flashes in the display.

Confirm with the  key.

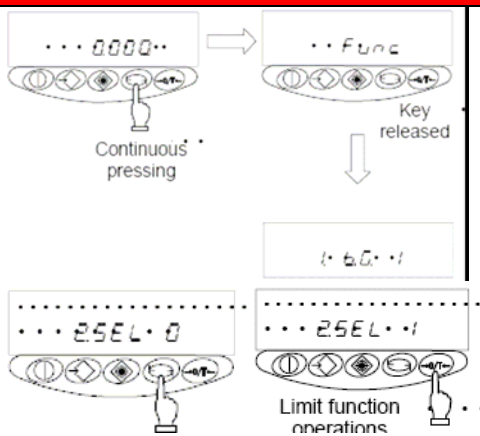
Display changes to 100,00%.


The weight of each part placed on the scale afterwards will be shown as a percentage of the reference weight.

To return to weighing mode, press the


 key



Settings for check weighing

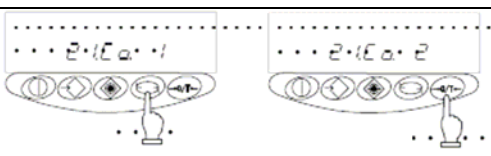


Press and hold the  key > 2 sec.
Release the key when **Func** is displayed.


The display changes to the function setup and the first item is displayed

Press the  key again, the first checkweighing function is displayed, to activate the function

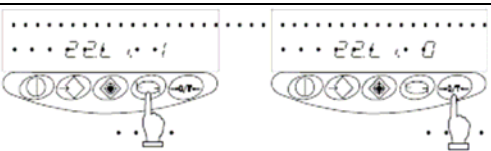
press  key to change between **0= not activated** und **1= activated** . Press the  key to confirm.




The next checkweighing function is displayed, to select the control mode.

Press the  key to change between **1= controlling at all times** **2= controlling when standstill**

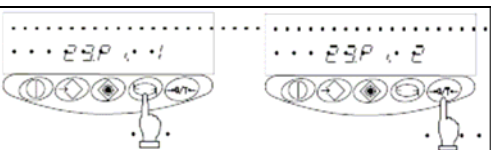
Press the  key to confirm.




The next checkweighing function is displayed, select the 1 check point or 2 check point for check weighing.

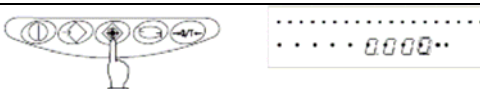
Press the  key to change between **1= 0-100% weighing range** or **0 = + 5d -100%** weighing range.


Press the  key to confirm.



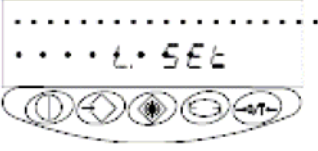

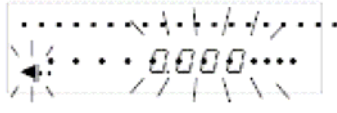

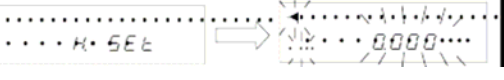

The next checkweighing function is displayed, to select the judgement points.

Press the  key to change between **1= 1 check point** **2= 2 check points**

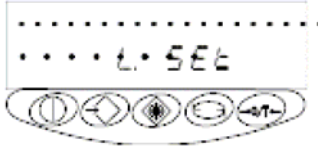

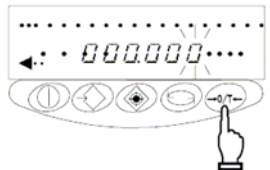

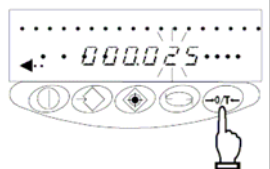



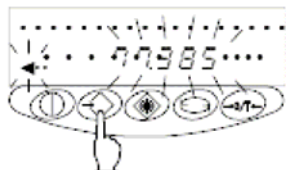
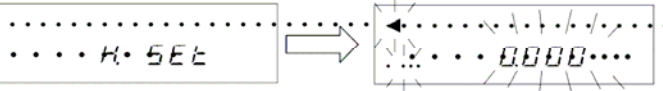





Press the  key to confirm.
The scale returns to the weighing mode

Setup of Limit Values by Samples

| | | |
|---|--|---|
|  | | <p>Important: Before starting check the unit. Standard is g, if you want to work with other units it does only work when the counting parts are fixed or the 100% reference sample is fixed.</p> <p>Press and hold the  key > 2 sec. Release the key when L. set is displayed</p> |
|  | | <p>The currently set lower-limit value flashes Load the sample on the pan and confirm with the  key</p> <p>Note: If 1 check point in setup was chosen, the setup is complete.</p> |
|  | | <p>The display now changes to H. SEt indicating that the upper – limit value can be set.</p> <p>The currently set upper-limit value flashes Load the sample on the pan and confirm with the  key</p> <p>The setup now is finished</p> |

Setup of Limit Values by Inputting Values

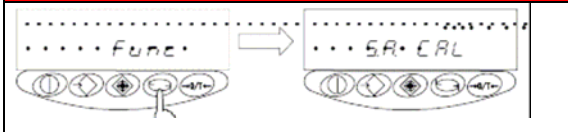

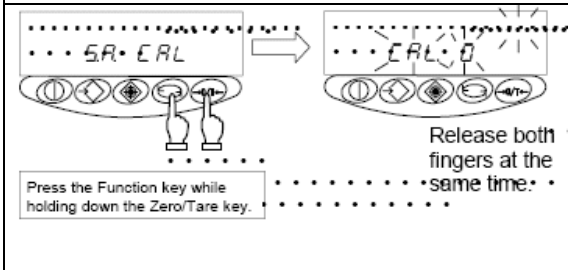


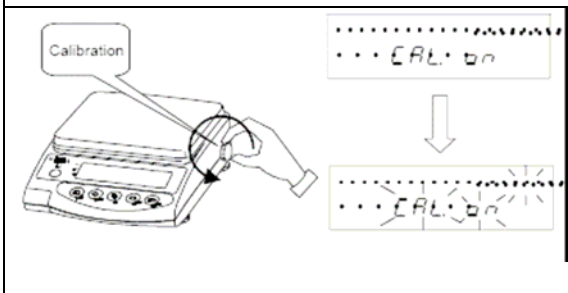
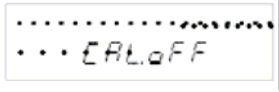
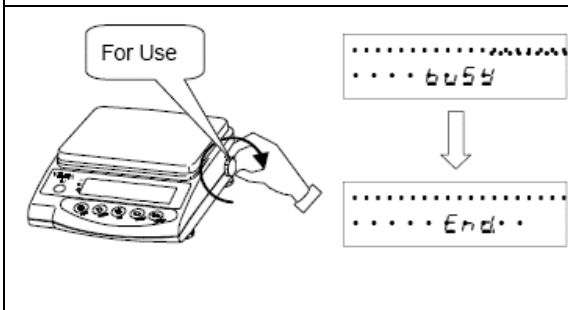
| | | |
|---|--|---|
|  | | <p>Important: Before starting check the unit. Standard is g, if you want to work with other units it does only work when the counting parts are fixed or the 100% reference sample is fixed.</p> <p>Press and hold the  key > 2 sec. Release the key when L. set is displayed</p> |
|  | | <p>The currently set lower-limit value flashes Press the  key, the display switches All the digits are displayed, with one flashing digit.</p> |
|  | | <p>This flashing digit is the one that can be changed with the  key. To select to the next digit press the  key. . To confirm the value press the  key.</p> |
|  | | <p>Note: If One-point setup was chosen, the setup is complete</p> |
|  | | <p>. The display now changes to H. SEt indicating that the upper – limit value can be set.</p> <p>Press the  key, the display switches All the digits are displayed, with one flashing digit.</p> <p>To select to the next digit press the  key.</p> <p>To confirm the value press the  key.</p> <p>The setup now is finished</p> |

Calibrating

Since electronic balances are affected by gravity gravitational acceleration, they produce different values in various locations. Therefore, before use, balances must be calibrated at the location where they are installed. Calibration is also required after long periods without use, or if a balance begins to produce inaccurate values.

Calibration of a balance, or "span adjustment," is required to produce accurate measurements.

User Calibration

| | |
|--|---|
|  | <p>Hold down the  key, then release your finger when the display switches from Func to S.A. CAL.</p> |
|  | <p>Press the  while holding the  key, then release both fingers simultaneously.</p> <p>Display will change to flashing CAL.0 and the zero point will be calibrated automatically.</p> <p>When flashing stopped, zero point is calibrated</p> |
|  | <p>Now turn the calibration button slowly to the position of Calibration</p> <p>Display will change to flashing CAL.0 and the scale will be calibrated automatically.</p> <p>Wait until display changes to </p> |
|  | <p>Return the calibration button back to the For Use position</p> <p>Display show busy and then End</p> <p>Scales switches to the measurement mode</p> |



- D Technische Änderungen vorbehalten
- GB Subject to technical modifications.
- F Tous droits de modification technique réservés
- E Todas las modificaciones técnicas reservadas.
- I Con riserva di modifiche tecniche

SOEHNLE

PROFESSIONAL

Soehnle Professional GmbH & Co. KG
Postfach 1308
D-71536 Murrhardt

Telefon +49 (0)7192 / 9319-0
Fax +49 (0)7192 / 9319-200

Email: industriewaagen@soehnle.de

Internet www.soehnle-professional.com