Safescan®

MANUAL

English | Nederlands | Deutsch | Français | Español | Italiano
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6165
MONEY COUNTING SCALE

TABLE OF CONTENTS

1. INTRODUCTION

This User Manual shows all detailed operating instructions of the Safescan 6165. We strongly recommend you to save a copy of this full user manual on your computer for future reference.

PACKAGE CONTENTS

The retail box contains the following items:
- Safescan 6165 money counting scale
- Power adapter (12V/0.5A, 6 Watt)
- Money platform

- Coin cup
- USB pc connection cable (USB-A to USB-B)
- Quick Install Guide

1.1 PRODUCT
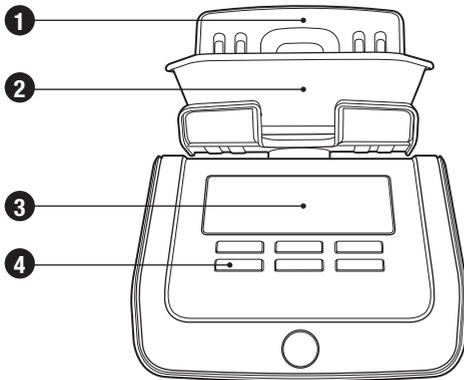
FRONT
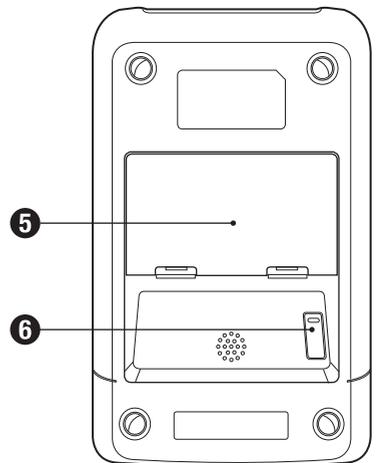
BOTTOM
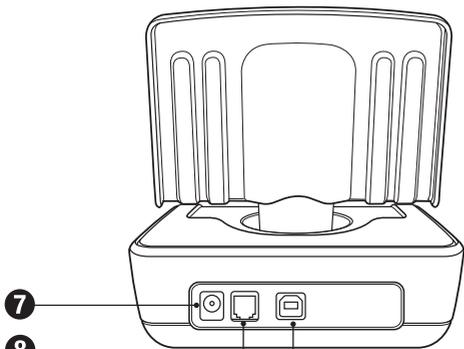
BACK

1.	Money platform
2.	Coin cup
3.	LCD display
4.	Control keys
5.	Battery compartment
6.	Transport lock
7.	Power connector
8.	Printer connector
9.	USB port for connection to PC

1.2 DISPLAY AND BUTTONS
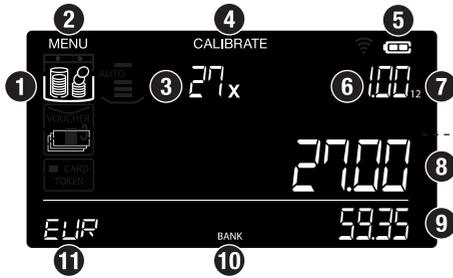
1. Cash value items (coins, banknotes and other count items)
2. Settings menu
3. Quantity
4. Calibration menu
5. Battery level indicator
6. Denomination
7. Denomination version
8. Current value
9. Total value
10. Active bank
11. Currency
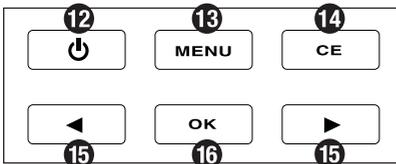
12. Power ON/OFF
13. Open settings menu
14. Clear entry / back
15. Navigation
16. Confirm selection / Add value to total

1.3 PLACING YOUR SAFESCAN 6165

1. Place the device on a flat and stable surface.

2. Place the money platform onto the device.
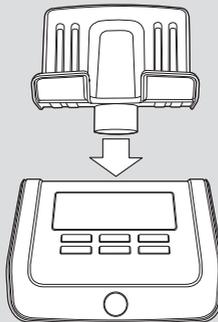
3. Connect the power adapter to the device and mains socket.
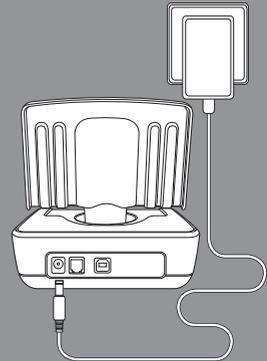
4. Switch on the device by pressing the power **ON/OFF** button.
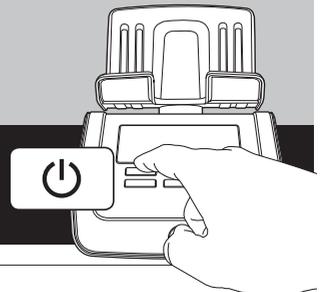
PLEASE NOTE: WHEN SWITCHING ON THE POWER,
DO NOT PLACE THE COIN CUP ON THE PLATFORM YET.

2. FIRST TIME USE

When starting up your Safescan 6165, the screen shows some important information:

```
        6165
SW-V  1.06  ①
```
Software version (example)

```
        6165
        USA    ②
   C 16-12-19 ③
```
Currency weight table region (example)

Currency weight table version (example)

Software version and Currency weight table version numbers may change due to continuous improvements, added features or currency updates. Check **www.safescan.com** regularly for availability of new software updates. During the **first startup**, the machine will ask for some settings, which will be set for future use:

2.1 SET REGION
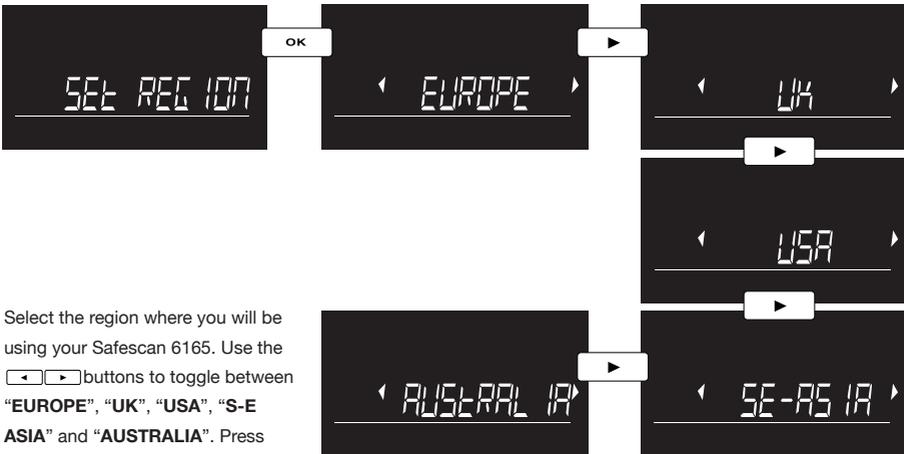
```
SEE REGION
```

OK

```
‹  EUROPE  ›
```

►

```
‹    UK    ›
```

►

```
‹   USA    ›
```

►

```
‹ AUSTRALIA ›
```

►

```
‹  SE-ASIA  ›
```

Select the region where you will be using your Safescan 6165. Use the ◄ ► buttons to toggle between "**EUROPE**", "**UK**", "**USA**", "**S-E ASIA**" and "**AUSTRALIA**". Press OK to confirm.

2.2 SELECT CURRENCY

```
  CURRENCY
‹EUR›
```

```
📖  0 x    0.01
         0.00
EUR      0.00
```

Select your default currency with the ◄ ► buttons. Press OK to confirm.

The 6165 will reboot. After reboot, the device will start in counting mode, showing the first coin denomination to be counted.

3. THE COUNTING PROCEDURE

COUNTING INSTRUCTIONS

Note: Count one denomination at a time. For efficient counting, please make sure that coins or banknotes have been sorted beforehand. Always use the coin cup when counting coins.

3.1. COUNTING COINS

1.
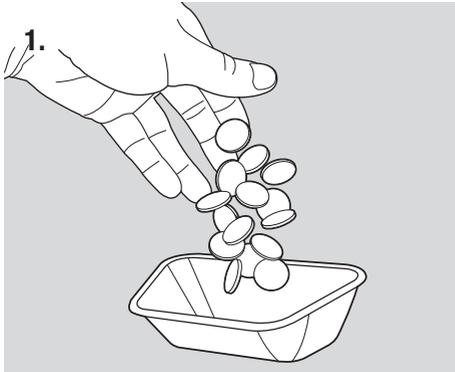
Place the coins in the supplied coin cup.

2.

Place the cup onto the platform.

3.

The quantity and value of the coins will be displayed. When the device has finished the count, a 'beep' will sound.

4.

Take the cup from the platform. The counting result will be added to the total. A 'beep' will sound to confirm.

The 6165 will automatically switch to the next coin denomination. Alternatively, use the ◄ ► buttons to select a denomination. After the highest value coin denomination has been counted, the 6165 will automatically switch to the lowest value banknote denomination.

3.2. COUNTING BANKNOTES
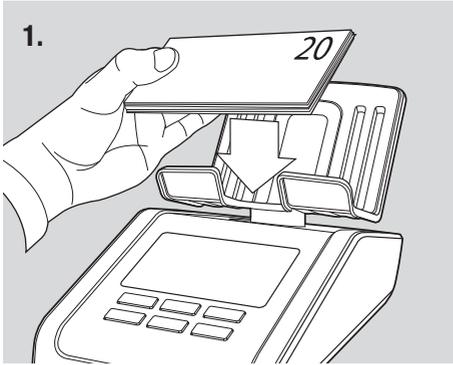
Place the banknotes in small batches of max. 25 pcs on the money platform.

A beep sounds when the banknotes have been counted. The display shows their quantity and value and adds the value to the total.

Leave the first stack on the money platform and add the next stack of the same denomination. Continue adding stacks until all banknotes of the selected denomination have been counted.
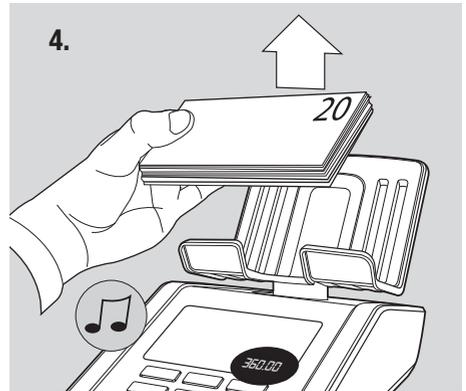
Remove all banknotes at once from the platform. A 'beep' will sound to confirm and their value will be added to the total. The 6165 will automatically switch to the next banknote denomination.

1. Too many banknotes on the platform

Too many banknotes have been placed on the platform. The display shows "**Remove ..-.. pcs**". Remove as many banknotes as suggested until the 6185 has been able to determine the amount of banknotes. Continue to add more banknotes on the platform in small batches.

2. Illogical weight detected

Illogical weight detected, the 6185 will not be able to determine the correct amount of banknotes on the platform. The display shows "**Remove Some**". Remove a few banknotes (max. 5 pcs at a time) until the 6165 has been able to determine the amount of banknotes. Continue to add more banknotes on the platform in small batches.

3.3. COUNTING OLD AND NEW VERSIONS OF THE SAME DENOMINATION

If the weight difference of an old and new version of a banknote is within a certain tolerance range, these versions can be counted together. There is no need to sort them in old and new version. In this case please note the following:
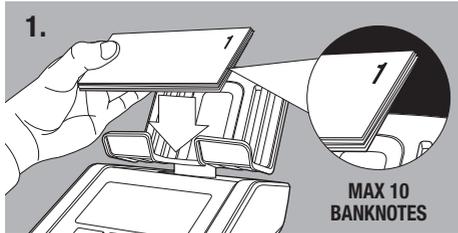
The first stack of mixed notes (old & new version together) that is placed on the platform should not exceed 10 banknotes
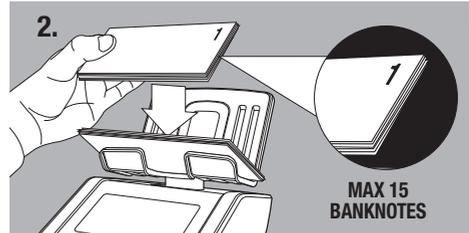
Following stacks should not exceed 15 banknotes

When mixed counting of 2 versions of the same denomination is not possible due to the weight difference, the 6165 will ask for banknote version 1 (old) and version 2 (new) to be counted.

The version to be counted is indicated on the display.

Version 1 is the old version

Version 2 is the new version.

Whenever new denominations of a pre-installed currency have been released, visit www.safescan.com for a currency software update for your 6165.

3.4. ENDING A COUNT

VIEW CURRENT COUNT RESULTS

Use the [◄][►] buttons to view the count results per item.

CLEAR COUNT RESULTS

To clear the results for the denomination which is displayed, press [CE]. When you want to clear the complete count, start a new count as described in the menu items.

PRINT COUNT RESULTS

When you finished counting, you can print the results on the optional Safescan TP-230 printer, as described in the menu items

EXPORT COUNT RESULTS TO SAFESCAN MCS

Run the optional Money Counting Software on your PC and click on the Count Data icon to download the count data from the 6165 to the software. For more details, see the user manual of the Safescan Money Counting Software, which can be found on **www.safescan.com**

STARTING A NEW COUNT

To start a new count, press [MENU] .The display will show **NEW COUNT**. Press [OK] to confirm.

4. DEVICE MENU AND OPERATION

This chapter describes the operation of the Safescan 6165, as well as the menu structure of the device.

4.1 GENERAL OPERATION

When a certain action is required or when several options are possible, the ◄ ► buttons can be used to navigate. When navigation is possible or when a choice has to be made in the menu, the screen will show 2 blinking arrows. For example:

MENU ◄ NEW COUNT ►	MENU CALIBRATE ◄ 30x 001 OK EUR StEP 2-2	A selection can be confirmed by pressing the OK button. To go 1 step back in the menu, press the CE button.
The 2 blinking arrows indicate that you can navigate between available menu items	The 2 blinking arrows indicate that you have to select a number.	
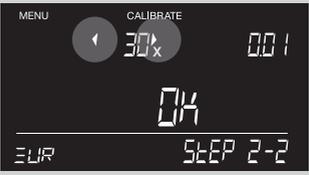
4.2 MENU STRUCTURE

You can enter the device menu by pressing the MENU button. To navigate through the items, use the ◄ ► buttons. To enter a item, press OK. The structure of the menu is as follows:

MENU ◄ NEW COUNT ►
See **4.2.1**

MENU ◄ BANK ►
See **4.2.2**

MENU ◄ PRINT ►
See **4.2.3**

MENU ◄ SCALE ►
See **4.2.4**

MENU ◄ CURRENCY ►
See **4.2.5**

MENU ◄ CALIBRATE ►
See **4.2.6**

MENU ◄ SET DEVICE ►
See **4.2.7**

MENU ◄ AUTO ADD ►
See **4.2.8**

MENU ◄ AUTO NEXt ►
See **4.2.9**
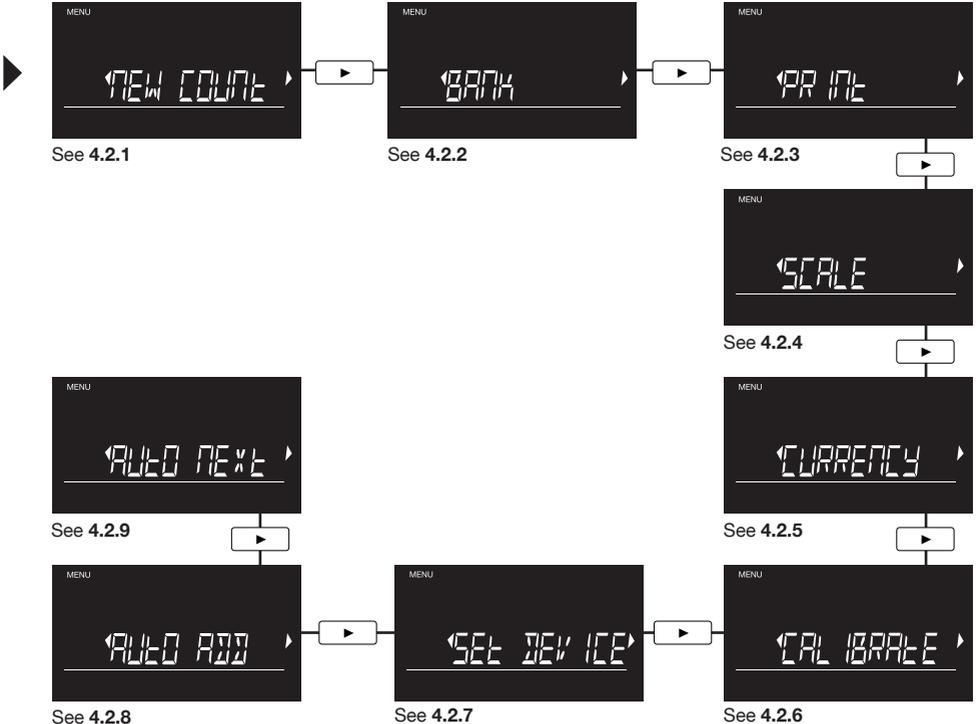
4.2 MENU STRUCTURE

4.2.1 NEW COUNT

When you want to start a new count and erase all existing results, press ☐ᴏᴋ☐ when the **NEW COUNT** screen is shown.
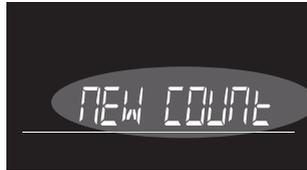
The text will start blinking. Press ☐ᴏᴋ☐ again to confirm.

The machine will go back to the count screen, which is fully set back to zero.

4.2.2 BANK
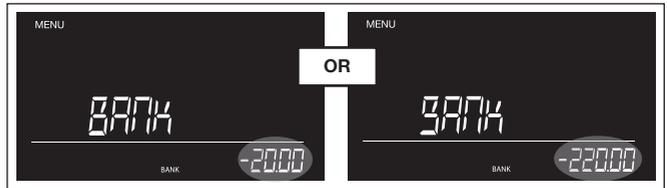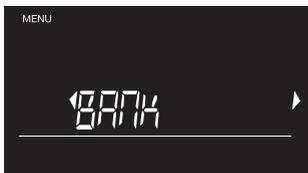
You can choose from the pre-set bank amounts by using ☐◄☐►☐ . Press ☐ᴏᴋ☐ to confirm.

OR

For entering larger bank amounts, long press on the ☐◄☐►☐ buttons. While pressing, the amount will go up automatically. Press ☐ᴏᴋ☐ to confirm.
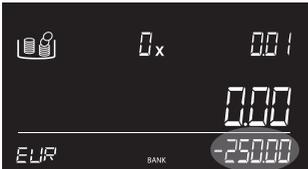
The count screen will show the set amount as negative start result.

4.2.3 PRINT
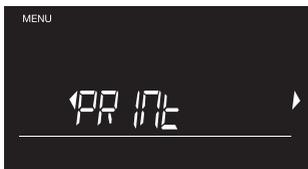
When you connected a Safescan TP-230 printer*, you can print your results by pressing ☐ᴏᴋ☐.

The screen will show PRINTING, while the printout is created.

The machine will go back to the count screen.

* see chapter 4.3 for additional information.

4.2.4 SCALE

To activate the weighing scale function, press ⬜ .

The screen will now change to weiging mode.
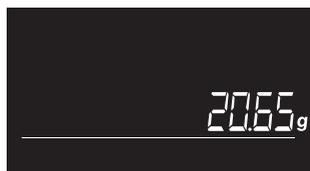
You can now weigh items with an accuracy of 0.05 gram.

You can tare the weighing scale by pressing ⬜ when the default item, like a cup, has been placed. A ' ' will show in the screen and the value will change back to zero. Once the default item is removed, it's weight will show as*a negative value.

4.2.5 CURRENCY
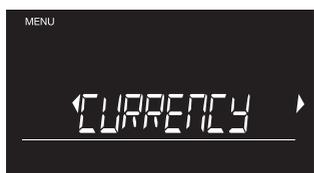
When you want to change the currency, press ⬜ when the **CURRENCY** screen is shown.
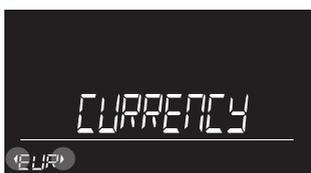
The active currency is now shown, with 2 blinking arrows. Use ◄ ► to navigate to the desired currency.

After pressing ⬜ , the machine will now go back to the count screen, showing the chosen currency.

4.2.6 CALIBRATE COIN ROLLS, BANKNOTE BUNDLES, SECOND COIN CUP
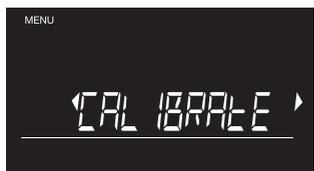
The Safescan 6165 is also able to count coin rolls, banknnote bundles and a second coin cup. To enter the calibration mode, press ⬜ when the **CALIBRATE** screen is shown. When in calibration mode, use the ◄ ► buttons to navigate to the desired denomination. If you want to switch to the next calibration item, press ⬜ . The sequence is Coin Rolls, Banknote Bundles, Coin Cup.

The calibration process for each bundled item (coin rolls or banknote bundles) is the same, and goes as follows:

CALIBRATE COIN ROLLS AND BANKNOTE BUNDLES

A
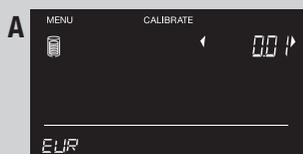
Example: coin rolls. Move to the desired denomination with ◄ ► and confirm by pressing

B
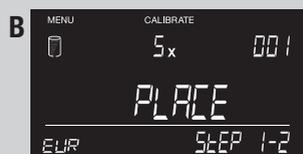
Now place **5 empty coin rolls** onto the platform.

C
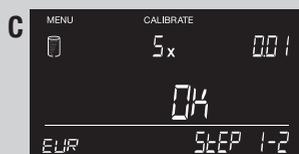
The machine will now ask you to confirm. Press ⬜ to do so.

D

MENU   CALIBRATE 0_x 0.01

OK

EUR   StEP 2-2

Remove the coin rolls to go to the next calibration step.

E

MENU   CALIBRATE 30_x 0.01

OK

EUR   StEP 2-2

Select the number of coins that the rolls will contain by using the ◄ ► buttons and press [OK].

F

MENU   CALIBRATE   0.01

SAVE

EUR

Press [OK] to save. The roll has now been calibrated and is saved in the machine.

The calibration menu will now move to the next denomination. Repeat the process by selecting the desired denomination as shown above, or leave the calibration mode by pressing [CE]. If you want to switch to the next calibration item, use the [MENU] button.

CALIBRATE A SECOND COIN CUP

The Safescan 6165 is configured to count with standard 33.5 gr coin cups. Some cash drawer manufacturers however may have coin cups with a different weight. You can configure your Safescan 6165 to count using a second coin cup.

MENU   CALIBRATE   ◄ 0.01 ►

EUR

2x [MENU] →

MENU   CALIBRATE   CUP 2

A

MENU   CALIBRATE   CUP 2

PLACE CUP

When pressing [OK], you will be prompted to place the cup.

B

CALIBRATE   CUP 2

OK

The machine will show that the cup weight has been processed.

C

MENU   CALIBRATE   CUP 2

OK

Press [OK] to confirm the calibration.

D

MENU   CALIBRATE   CUP 2

DONE

The cup has now been calibrated.

E

MENU   CALIBRATE   CUP 2
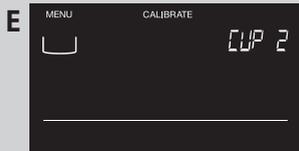
Press [CE] to return to the count screen.

F

0_x 0.01

0.00

EUR   0.00

From now on, once you start up the Safescan 6165, you will be asked to confirm which cup has to be set as preference: the cup that comes with the device as a default (**CUP 1**) or the cup that was calibrated (**CUP 2**). Use the ◄ ► buttons to select the cup you want to set as preferred. The selection will be saved automatically.

dEFAULt

◄ CUP 1 ►
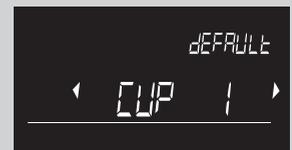
4.2.7 SET DEVICE

MENU

SET DEVICE

When the **SET DEVICE** screen is shown, you can change several device settings. Press ⌑ to enter this menu item. When in the SET DEVICE mode, use the ◄ ► buttons to navigate through the sub-items.

SUBMENU - STRUCTURE:

MENU

◄ **TIME-DATE** ►

See **4.2.7 - A**

▶

MENU

dEFAULT

◄ **RESET ALL** ►

See **4.2.7 - B**

▶

MENU

◄ **UPDATE FW** ►

See **4.2.7 - C**

▶

MENU

◄ **SET CAL** ►

See **4.2.7 - E**

▶

MENU

◄ **SET REGION** ►

See **4.2.7 - D**
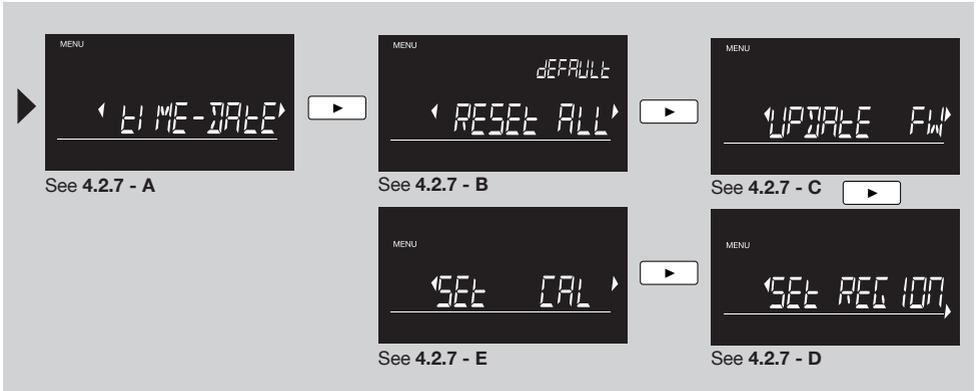
A. TIME AND DATE SETTING

MENU

◄ **TIME-DATE** ►

Press ⌑ to start the TIME-DATE setting process.

MENU
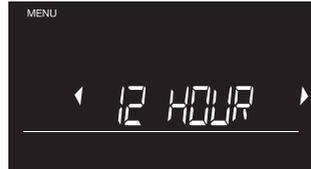
◄ **12 HOUR** ►

Switch between 12 hour and 24 hour format by using ◄ ► , and press ⌑ to confirm.

MENU

◄ **AM** ►

Switch between AM and PM by using ◄ ► , and press ⌑ to confirm.

MENU

TIME 00:00
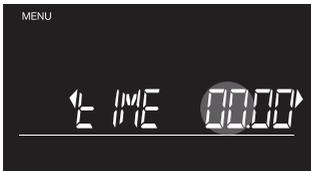
The HOURS now start blinking. **Short press** ◄ ► to go 1 hour up or down or **long press** to run through the hours. Press ⌑ to confirm.

MENU

TIME 00:00

The MINUTES now start blinking. **Short press** ◄ ► to go 1 minute up or down or **long press** to run through the minutes. Press ⌑ to confirm.

MENU

2044-DD-MM

Navigate through the date formats by using ◄ ► . Press ⌑ to confirm the desired format. Now set year, month and day in the same way.

```
2017      01-27

    PMS.11

              1
```

A short preview of the set time and date will be shown. The 6165 then returns to the submenu.

B. BACK TO FACTORY DEFAULT SETTING

```
MENU
          dEFAULt

‹ RESEt ALL ›
```

Press ⌐OK⌐ to reset the machine to factory defaults.

If you want to bring back your device to the state as if it were brand new in box, you can reset your 6165 to factory default settings.

WARNING : By selecting this reset option, all customized settings such as calibrated items will be deleted and all basic settings will have to be made from the start.

C. UPDATE FIRMWARE

```
MENU

‹UPDAtE  FW›
```

Press ⌐OK⌐ to set the device in firmware-update mode. **Firmware updates (when applicable) are available via www.safescan.com.** Download the firmware update package and follow the included instructions to update your 6165.

To download the update package:
- Go to www.safescan.com
- Select 'Customer Service'
- In the 'Service and Contact' section, select 'Downloads
- In 'Category', select Money Counting Scales
- In 'Product, select 'Safescan 6165'
- In 'Partnumber', select the partnumber of your Safescan 6165
  (see retail box or enter the 1st 7 digits of the serial number')
- You will now see a list of downloads for your 6165. Select the update package and follow the instructions on your
  screen to download the file.

D. REGION SETTING

MENU

'SEt REGIOn'

Select the region where you will be using your Safescan 6165. Use the ◄ ► buttons to toggle between "**EUROPE**", "**UK**", "**USA**", "**S-E ASIA**" and "**AUSTRALIA**". Press ⊙⊠ to confirm.

E. CALIBRATION OF THE DEVICE

In case you experience repetitive counting or weighing irregularities, it may be necessary to re-calibrate your Safescan 6165.

MENU

'SEt   CAL ►

MENU   CALIBRATE
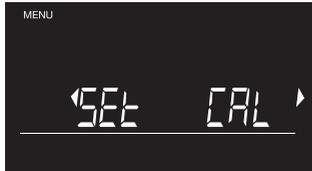
tARING

Press ⊙⊠ to re-calibrate the machine.

The machine will start the calibration by taring the empty money platform.

You will now be asked to place a weight of 500 gram (**not included**) onto the machine.

MENU   CALIBRATE

PLACE

MENU   CALIBRATE

500 GRAM

500 gram

MENU   CALIBRATE

SAMPLING

MENU   CALIBRATE

500.01 g

MENU   CALIBRATE
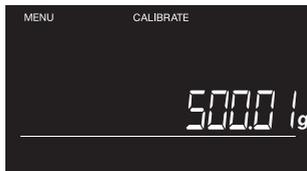
FINISHED

The machine will now run the calibration. During the process, the screens as shown above will appear. After the calibration, the message **'Finished'** will appear.
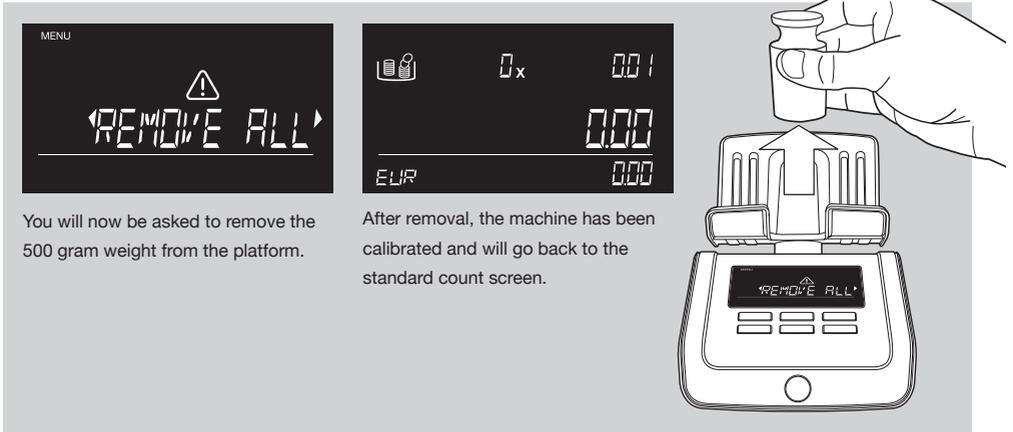
You will now be asked to remove the 500 gram weight from the platform.

After removal, the machine has been calibrated and will go back to the standard count screen.

4.2.8 AUTO ADD

By activating the **AUTO ADD** function, the amount of a counted denomination is automatically added to the total counting result once the items are removed from the platform. When this function is switched off, you have to press [OK] to add the amount to the total. **By default the Auto Add setting is ON.**

To activate or de-activate the function, press [OK] when the **AUTO ADD** screen is shown.

Switch between ON and OFF by using [◄][►] and press [OK] to confirm.
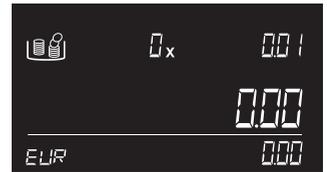
The machine will move back to the count screen.

4.2.9 AUTO NEXT

By activating the **AUTO NEXT** function, the machine automatically switches to the next denomination once the items are removed from the platform. When this function is switched off, you have to use [►] to move to the next denomination. **By default the Auto Next setting is ON.**
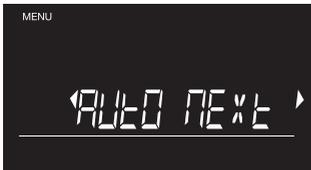
To activate or de-activate the function, press [OK] when the **AUTO NEXT** screen is shown.
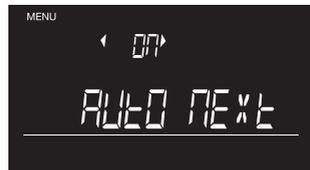
Switch between ON and OFF by using [◄][►] and press [OK] to confirm.
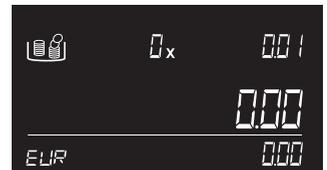
The machine will move back to the count screen.

5. TROUBLESHOOTING

ERROR MESSAGE

DESCRIPTION

SUSPECT - CHECK ITEM
Incorrect amount of coins inside a coin roll detected.

SOLUTION:
Check the coin package for any missing or excess coins / notes. Correct this and count again.Due to the high weight tolerance of banknotes, the 6165 is not able to detect incomplete banknote bundles.

REMOVE ALL
There are items still present on the platform after ⌐OK⌐ has been pressed - or the money platform was not empty during taring.

SOLUTION:
Clear the platform of all items before pressing ⌐OK⌐ or entering a new command. Ensure there are no objects on the platform while the 6165 tares itself.

COUNTED QUANTITY IS NOT CORRECT

COUNTED QUANTITY IS NOT CORRECT
Check if the coin cup was already placed on the device during start up. In that case the weight of the cup is automatically tared which will cause an incorrect count (valid for coins only). Check if the money platform has been removed and placed during counting

SOLUTION:
- remove the cup from the platform and place it on the platform again, or restart the device. Make sure the cup is not on the platform when powering on the 6165.
- never remove and place the money platform during counting

OVERLOAD
Too much weight has been placed on the money platform
Solution:
Remove all weight from the platform. If the message disappears: continue using your 6165 as normal. if the message remains: switch off the 6165 and switch it back on.
If the message appears frequently, contact Safescan customer support.,

REMOVE .. - .. PCS
The weight on the scale is too high for the 6185 to determine the exact amount of coins or banknotes.

SOLUTION:
Remove as many coins or banknotes from the money platform as indicated, until the 6165 has been able to deternime the amount. Continue counting. Banknotes should always be placed on the platform in stacks of max. 25 pcs at a time.
When counting of 2 versions of the same denomination is possible:
1st stack of banknotes on the money platform should not exceed 10 pcs
Subsequent stacks of banknotes should not exceed 15 pcs.
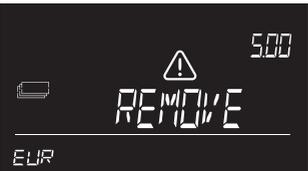
REMOVE SOME
Valid for banknote counting only. The weight on the scale is illogical caused by the weight tolerance of the banknote - the 6165 can not determine the exact amount of banknotes on the platform.

SOLUTION:
Remove a small amount of banknotes until the 6165 has been able to deternime the amount. Continue counting. Banknotes should always be placed on the platform in stacks of max. 25 pcs at a time.
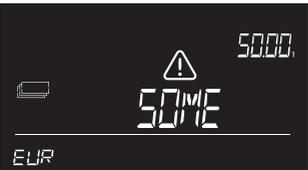
When counting of 2 versions of the same denomination is possible:
1st stack of banknotes on the money platform should not exceed 10 pcs
Subsequent stacks of banknotes should not exceed 15 pcs.

BATTERY LOW
Battery power is lower than 5%.

SOLUTION:
Connect the power adapter to recharge the battery.

This message can only appear when the Safescan LB-205 battery is inserted

DEFECT
The loadcell is defect, no weighing / counting possible

SOLUTION:
contact Safescan customer support.

CALIBRATE

⚠

CAL ERROR

Err 4
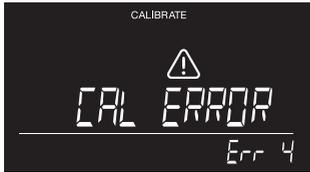
CALIBRATION ERROR
A different weight than 500g has been placed on the platform during the calibration procedure (see 4.2.7 - E).

SOLIUTION:
repeat the calibration procedure and ensure that a 500g weight is used.

6. RECHARGEABLE BATTERY (OPTIONAL ACCESSORY)

6.1 INSTALLING THE SAFESCAN LB-205 RECHARGEABLE BATTERY

1. Disconnect the power adapter.
2. Remove the money platform from the scale.
3. Turn the device upside down and open the battery lid (see chapter 3.1).
4. Place the battery in the battery compartment, connect the wire and close the lid.
5. Install the money platform.
6. Connect the power adapter to charge the battery.

6.2 RECHARGEABLE BATTERY STATUS INDICATION

- At start up: Inner segments are blinking for 5 seconds -> Battery is being charged
- At start up: All segments are blinking for 5 seconds after this the battery icon remains on -> Battery is 100% charged

Device is powered by the battery only:
- Full battery is on -> Battery power is 100%

- Half the battery is on -> Battery power more than 50%
- Half the battery is blinking continuously -> Battery power less than 20%

- Empty battery is continuously blinking -> Battery is empty (battery power less than 5%) In the screen the message Battery Low is blinking, connect the power adapter to recharge the battery.

Note: battery life may deteriorate after many load cycles - this is common when using rechargeable batteries.

7. UPDATES

For more information about device and currency updates see www.safescan.com for details.

Firmware updates are loaded to the device via the Update FW option in the menu, see 4.2.7.
Weight table updates are done via the free currency update software tool. This software will automatically check for firmware updates and load the latest weight table file to your 6165,

Instructions are supplied with the update package, which can be downloaded from www.safescan.com.

8. PRECAUTIONS FOR USE

GENERAL
- Place the 6165 on a flat and stable surface and keep the area around the money platform clear.
- Carefully place items on the weighing platform, do not throw or drop them.
- Never leave any items - not even the coin cup - on the money platform when the device is not in use or when it is stored for a longer period. This could damage the weighing element and cause errors.
- Never place items weighing more than 1.5 kg on the 6165.
- Do not drop, hit or shake the 6165.
- Do not spill any liquid or chemical (cleaning) spray on the 6165. If any liquid is spilled on the device, turn off the power and disconnect the power from the mains supply socket as soon as it is safe. Remove the battery (when installed) and contact Safescan for assistance.
- As with any precision weighing scale, the weighing result is influenced by substantial airflow. Therefore, do not use the device near cooling fans, air conditioners, open windows etc.
- Do not disassemble the device, this will immediately void your warranty.
- the Safescan 6165 cannot identify counterfeit money.

POWER
- Use only the supplied power adapter.
- Do not use a damaged power adapter or damaged power cord.
- Never subject the power adapter and power cord to liquids or moisture. Never touch and connect the power adapter to the mains supply socket when your hands are wet.

BATTERIES
- Only use the optionally available Safescan LB-205 rechargeable battery.
- Dispose of batteries in accordance with local regulations.
- Remove the battery from the 6165 in case of long term non-use or storage.

MAINTENANCE
- Always switch off the machine and disconnect from the power supply before cleaning the 6165.
- Clean the device with a dry cloth. Do not use a wet or damp cloth or (chemical) cleaning products.

9. SPECIFICATIONS

Features	Money Counting Scale for counting coins, banknotes and coin rolls.
	Can also be used as precision weighing scale (note: not "approved legal for trade").
Currencies	Depends on region - see information on retailbox
Dimensions (LxWxH)	22.3 x 14.2 x 14.7 cm / 8.8 x 5.6 x 5.8 inch
Display	3.3 inch high contrast LCD
Interface	USB-B to PC, RJ-10 to printer
Power requirements	Power supply 12V/0.5A
Power consumption	Max. 2.4W in operating mode (no battery charging)
	Max. 6W in operating mode (including battery charging)
	Max 50mW in stand by/idle mode
Operating temperature	0 - 40℃
Storage temperature	-25 ~ 55℃
Maximum load capacity	1.5kg / 3.3 lbs
Maximum precision	0.05g
Net Weight	660 g./ 23 oz
Certification	CE, FCC, RoHS

OPTIONAL ACCESSORIES

Rechargeable battery	Safescan LB-205	**Money Counting Software**	Safescan MCS
	Li-Polymer battery	**Weighable coin cup set**	Safescan 4141CC
Thermal receipt printer	Safescan TP-230		Safescan 4617CC

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