

TAXiTRONiC

flexitron group

TX80 SkyGlass II

USER'S MANUAL



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1. CONTROL PANEL



- 1 Indicates that a time is being displayed on the screen
- 2 Indicates if there is a Prime message
- 3 Indicates if a passenger is seated
- 4 Indicates that an amount is being displayed on the display 20
- 5 Indicates if it is a night rate
- 6 Indicates if it is a holiday rate
- 7 Indicates the rooflight status
- 8 Indicates the mobile signal coverage
- 9 Indicates if taximeter is linked by Bluetooth with any app
- 10 Indicates the GPS signal
- 11 Indicates the taximeter (Stopped status)
- 12 Indicates the taximeter (Hired status)
- 13 Indicates the taximeter (For hire status)
- 14 Indicates that the rate is being displayed on the display 18
- 15 Indicates if the tariff is counting by time
- 16 Progress bar
- 17 Indicates that a distance is being displayed on the screen
- 18 Rate or status display
- 19 Indicates if the tariff is counting by distance
- 20 Amount display
- 21 Extras display
- 22 Indicates that extras are being displayed on the display 21

Touch buttons:

O ON / End trip / O→□ OFF

1...4 Tariff to apply / Extras / numerical codes

□ Stopped / Courtesy light

◇ Extras

+ Add extras to the fare / Ticket / Last trip data

Δ Δ→Δ Ancillary functions / Δ→5...12 Tariff to apply 5...12 / Δ→◇ Cancelation of extras / Δ→□ UV light / Δ→+ Rooflight On/Off.

2. SWITCHING THE TAXIMETER ON.

Taximeter OFF.



Press the 0 key to turn the Taximeter ON. If a password is required, the second point in the status display will blink, waiting for the introduction of the code.



If no password is required, or once the correct code is entered, the taximeter goes to ON.



3. TRIP SEQUENCE

3.1. HIRED POSITION

Press 1 , 2 , 3 or 4 key to start the right tariff.



For tariffs 5, 6, 7 and 8, first press the Δ key, and then press key 1 , 2 , 3 or 4 .

3.2. ADDING EXTRAS IN HIRED

By pressing \diamond key the text HIRED will start flashing.

Add the extras by pressing keys 1, 2, 3 or 4. For extras 5, 6, 7 and 8, first press the Δ key, and then press keys 1, 2, 3 or 4.




To exit the extras sequence press key \diamond .

3.3. STOPPED POSITION

Press key \square to go to the Stopped position

3.4. ENTERING EXTRAS IN STOPPED

By pressing  key the text STOPPED will start flashing.

Add the extras by pressing keys 1, 2, 3 or 4. For extras 5, 6, 7 and 8, press the  key, and then press key 1, 2, 3 or 4.





To exit the extras sequence press key .

3.5. ADDING THE EXTRAS TO THE FARE

Pressing + key adds the extras to the fare amount for 5 seconds. After this time, this amount will break down again into fare and extras.



3.6. CANCELLATION OF MANUAL EXTRAS

Press the  key, and then press the  key. The manual Extras will be erased. It is possible to add Extras again if necessary. This function is optional, and may not be available to all markets.

3.7. VAT TYPE SELECTION (only for Germany)

Press the + key.



Select the VAT type using the 1, 2 and 3 keys.

3.8. LIGHT ON/OFF

By pressing key the courtesy light. By pressing key again the courtesy light will turn off. It is possible to configure the courtesy light to be automatically turned on when the taximeter goes to STOPPED. This configuration is further detailed in the point 7.4.2.

3.9. UV LIGHT ON

By pressing key and then key the UV light will be on for a few seconds, allowing to check the authenticity of the notes.

3.10. END TRIP

By pressing key . The status will start to blink for some seconds, until the taximeter switches to FOR HIRE.

3.11. PRINT A TICKET

By pressing + while the status indication is blinking, the trip receipt will be printed. Copies of the receipt can be printed by pressing + key again.



Press 0 to go back to FOR HIRE.

3.12. GOING BACK TO FOR HIRE

The taximeter will go back to FOR HIRE automatically after a few seconds.

4. MULTIPASSENGER SEQUENCE

In some countries it may be allowed to use a taximeter in a multi-passenger configuration.

4.1. ADD A NEW PASSENGER

To add one additional passenger once the trip has started, press the + key, and then 2.

To add additional passengers, press the + key, and then the 3 or 4 keys.

From now on, the number of the selected passenger will be displayed next to the rate number, and the amount displayed will be the one corresponding to that passenger.



4.2. SELECT A PASSENGER


To select the passenger for which you want to display the information, press + and then the passenger number.



4.3. ENTERING EXTRAS IN HIRED

Once the passenger has been selected, enter Extras as explained in 2.2.

4.4. STOPPED POSITION

First select the passenger for whom you want to end the trip, then press the  key.

4.5. CANCELLATION OF MANUAL EXTRAS

Once selected the passenger, as explained at 2.4.

4.6. INTRODUCING EXTRAS IN STOPPED

Once selected the passenger, as explained at 2.5.

4.7. ADDING THE EXTRAS TO THE FARE

Once selected the passenger, as explained at 2.6.

4.8. PRINT A TICKET

Once selected the passenger, press O key. The status display will blink during 10 seconds.

Press + key while the status display is blinking, the printer will print a receipt.

4.9. KEEP ON WITH THE REST OF PASSENGERS

Press O key. The selected passenger will have left the car, and the multi-trip continues until there are no passengers.

5. DISPLAY LAST TRIP DATA

Only works when the car is stopped.

While in FOR HIRE, press the + key. The taximeter will show the following data successively:

- The Fare amount and the Extras



- The duration of the trip: Hours and minutes.



- The trip distance in kilometers.




Press the + key to print the receipt of the last trip.

6. TOTALIZERS SEQUENCE


Only works when the car is stopped.

6.1. ACCUMULATIVE TOTALIZERS


By pressing  key the first totalizer is shown.



Press + key to print the totalizers.


By pressing again  key the next figures of the total will be displayed. The totalizers sequence can be aborted at any moment by pressing the O key.



After few seconds, if the  key is not pressed, it switches to the next total, following the next list.


- 1 Nr. of trips
- 2 Fare amount
- 3 Extras amount
- 4 Total amount
- 5 Total distance (km)
- 6 Distance in Hired (km)
- 7 Distance in For Hire (km)
- 8 Time in hired (hours)
- 9 Time in ON (hours)
- A Nr. of daily totalizers cancellations

6.2. DAILY TOTALIZERS

After the accumulated totalizers, the daily totalizers are showed by continuing pressing the  key according to the next list.





Press **+** key to print the totalizers.

By pressing again  key the next figures of the total will be displayed. The totalizers sequence can be aborted at any moment by pressing the key **0**.

- 1. Nr. of trips
- 2. Fare amount
- 3. Extras amount
- 4. Total amount
- 5. Total distance (km)
- 6. Distance in Hired (km)
- 7. Distance in For Hire (km)
- 8. Time in hired (hours)
- 9. Time in ON (hours)

6.3. CLEARING DAILY TOTALS

While the totalizer is showed, press  key.

Enter the password with the **1**, **2**, **3** and **4** keys to change each of the four positions, and press the  key to confirm. Key 1 increases the thousands, key 2 increases the hundreds, key 3 increases the tens and key 4 increases the units. If the code is correct, it will sound two short "bip". Otherwise, it will sound a loud long "bip".


Once the totals cancellation is done, the taximeter will go back to FOR HIRE.

7. FOR HIRE MENU


In FOR HIRE, by pressing the 0 key you access to the FOR HIRE MENU.




7.1. TURN OFF

If there is no shift control, press the  button to turn off the taximeter. To turn it back on, press the 0 button.


7.2. SHIFT OPENING

Press the  key to put the taximeter in closed shift, then press the 0 key to open shift.



Enter the Driver number changing the numbers using the 1, 2, 3 and 4 keys. Press the  key.




Enter the Password number changing the numbers using the 1, 2, 3 and 4 keys. Press the  key.

If it is not a valid user/password pair, shift opening is rejected and the taximeter will return to closed shift.

To close shift, press the  key and then the  key.


7.2.1. TURN OFF

If there is no interaction with the taximeter in the closed shift state, it turns OFF after a few seconds.

It turns to shift closed again pressing the  key, or when the vehicle starts to move.

7.3. PAUSES (German specific function)

7.3.1. ACTIVE PAUSE

Pressing the  key, the taximeters passes to a pre-pause status for a period of 15 minutes.



After that time the device enters in the Pause status. The Extras display will show the hours and minutes that the taximeter is in Pause. Pressing the + key the Extras displays shows the total time that the device has been in Pause status. To exit the Pause or Pre-Pause status, the O key. It will also exit Pause/Pre-Pause if the car starts moving.



7.3.2. PASSIVE PAUSE

If during a certain time period the driver does not operate the taximeter in any way, and the car does not move, the device may enter the Pre-Pause status automatically without intervention. The time is configurable.

After some time in this status (configurable, 5 min) the device enters Pause status.

Pressing the + key the Extras displays shows the total time that the device has been in Pause status. To exit the Pause or Pre-Pause status, the O key. It will also exit Pause/Pre-Pause if the car starts moving.



8. ANCILLARY FUNCTIONS IN FOR HIRE

8.1. ROOFLIGHT ON/OFF

By pressing Δ key and then + key the rooflight will toggle between ON and OFF. When the rooflight is switched ON the \circlearrowright icon is displayed.



8.2. LIGHT ON/OFF

By pressing \square key the courtesy light will turn ON. Press \square again to turn the courtesy light OFF. It is possible to configure the courtesy light to be automatically turned on when the taximeter goes to STOPPED. This configuration is further detailed in the point 7.4.2.

8.3. UV LIGHT ON

By pressing Δ key and then \square key the UV light will be on for a few seconds, allowing you to check the authenticity of the banknotes.

8.4. SETTINGS SEQUENCE

Only available when the car is stopped.

By pressing Δ key twice, the different settings options are shown.

By pressing + key the printer makes a page feed.

8.4.1. DATE AND TIME VISUALIZATION

The display of date and time is the first option shown.



By pressing key if shift control enabled, the remaining time and the available breaks will appear. If the shift control is not enabled, it will directly show the time.



By pressing key it switches to FOR HIRE.

By pressing key again or after few seconds the time is displayed.



By pressing 0 key it switches to FOR HIRE.

By pressing □ key again or after few seconds the date is displayed.



By pressing 0 key it switches to FOR HIRE.

By pressing □ key again or after few seconds the year is displayed.



By pressing **O** key or after few seconds it switches to FOR HIRE.

8.4.2. LIGHT

By pressing **Δ** key after the date and time visualization.



By pressing **□** enters the lights menu.

By pressing **□** key repeatedly increases the sensibility of display light regulation circuit. The circular indicator shows the selected sensibility. This step must be realized in low ambient light conditions, because in case of high external light the display light will always be at maximum.

It also shows the settings of the courtesy light. By pressing **◇** changes its status:

- ON: the courtesy light will automatically turn on at the end of a trip.
- OFF: the courtesy light must be manually turn on..
- AUT: the courtesy light will automatically turn on at the end of a trip, only with low light.

By pressing **O** key it switches to FOR HIRE.

8.4.3. VOLUME

By pressing Δ key after light setting.



By pressing \square key to set the volume of the beep. The circular indicator shows the selected intensity.

By pressing $+$ changes the beep mode.

By pressing \circ key it switches to FOR HIRE.

8.4.4. TEST SEQUENCE

By pressing Δ key after volume setting.



Press key \square to display the test sequence. (0,1, ...,9).



By pressing 0 key or after few seconds it switches to FOR HIRE.

8.4.5. TAXIMETER CONTROL BLOCKS VISUALIZATION

By pressing Δ key after test sequence.




By pressing 0 key or after few seconds it switches to FOR HIRE.

8.4.5.1. BLOCK 1 VISUALIZATION

C.1 Displays the current K Constant.




Press  key for going to the next visualization or it goes automatically after few seconds:

- C.1 Current "K" constant
- C.2 Tariff serial number
- C.3 Tariff recording date (Y.MM.DD)
- C.4 Agent's code
- C.5 Tariff checksum
- C.6 Ticket identification control number.
- C.7 Prechange tariff activation date
- C.8 Prechange tariff checksum.
- C.9 Nr. of constant «K» changes
- C.A Nr. of tariff changes
- C.b Firmware TX80 Software Checksum

In case the shift control is set:


- C.C Shift duration on weekdays
- C.d Shift duration on weekends and holidays
- C.E Remaining time of the current shift

Press  key to print the control blocks.

8.4.5.2. BLOCK 2 VISUALIZATION

L.1 Car License number.



Press  key to go to the next visualization. The data displayed in block 2 are the following:


- L.1 Car License number
- L.2 Board serial number
- L.3 Manufacturing date (YYMMDD).
- L.6 Program version

Press  key to print the control blocks.

8.4.5.3. BLOCK 3 VISUALIZATION


I.1 State led tariff 1 indication



Press  key for going to the next visualization or it goes automatically after few seconds.

The data displayed in the block 3 are the following:

- I.1 State led tariff indication
- b.1 Flag drop
- M.1 Meters first drop
- S.1 Seconds first drop
- d.1 Price per km
- H.1 Price per hour
- P.1 Price per km in stopped position
- E.1 Extras amount assigned to these tariff
- T.1 Meter indicator (Time/distance or Time + distance)

Press  key to print the control blocks.

In case of more tariffs, the same data of block 3 is shown below for each of the remaining tariffs, that is:

I.2 State led tariff 2 indication



Once the blocks visualization is finished, parameters of the versions are shown.



- Pr Date of the update and taximeter versión
- Pr User who updated it and checksum
- tF Date of the update and tariff
- C Date of the update and constant
- Po Date and time of power failures.

Once the blocks visualization is finished, the taximeter goes to for hire automatically.

The sequence can be aborted at any time by pressing the 0 key.

8.4.6. SKYGLASS CONTROL BLOCKS VISUALIZATION

By pressing Δ key after taximeter control blocks visualization.



By pressing \square key or after few seconds it switches to FOR HIRE.

8.4.6.1. BLOCKS VISUALIZATION

E.1 Serial number.



Press \square key to go to the next visualization, or automatically after few seconds:

- E.1 SkyGlass serial number
- E.2 Hardware version
- E.3 Metrological version
- E.4 Metrological Checksum
- E.5 Non metrological version

- E.6 Shift control parameters checksum
- Pr Update date and SkyGlass version
- Pr User who updated the SkyGlass and checksum

Press + key to print the control blocks.

Once the blocks visualization is completed, the taximeter goes to for hire automatically.

The sequence can be aborted at any time by pressing the key 0.

8.4.7. LANGUAGE SETTINGS

By pressing Δ key after SkyGlass control blocks visualization.



By pressing 0 key or after few seconds it switches to FOR HIRE.

By pressing □ key to select the language.

8.4.8. EXTERNAL ROOFLIGHT TEST

By pressing Δ key after language settings visualization.



By pressing \square key or Δ , or after few seconds it switches to FOR HIRE.

By pressing the \square key, it is shown whether the bulb lights work rights or not showing an 8 at the right bulbs and a white space at bulbs which work wrong. For example:



In this case, the bulb lights that are working ok are the 1,2,4 and 5. The bulb light number 3 is not working.

9. ERROR MESSAGES

The possible error messages that may appear on the display are listed below.

- E-2 Roof lights failure: The roof lights are not correctly connected or some of its bulb lights doesn't work. This error is shown if it is enabled in the tariff.
- E-5 The taximeter is out of the configured revision period: This message is shown when the taximeter is out of the configured revision period. It is resolved by setting a new stop date or disabling it.
- E-6 Excess speeding. This error is shown if it is enabled in the tariff.
- E-7 Working time max exceeded: This error is shown when the hours of the shift have finished. The error automatically disappears when you restart the day.
- E-8 Error in the tariff parameters: The taximeter has not the tariff loaded, or the tariff loaded is wrong. The error is solved by charging tariff.
- E-10 Printer failure: The printer is not working, is incorrectly connected or has no paper. This error is shown if it is enabled in the tariff.
- E-11 Serial number error: This error is displayed if the serial numbers are not linked. The error is solved by charging tariff.
- E-12 RAM memory loss: This error is displayed if the device has a depleted battery or there is a malfunction. The error is solved by replacing the internal battery of the equipment.
- E-NS Serial Number Pairing Error: This error is displayed when a TX80 is connected to a device to which it is not paired. This pairing is done when charging tariff.
- E-A Anti Zapper error: A distance pulse error detected. This error is shown if it is enabled in the tariff. The error is solved by charging tariff.
- B-A1 Anti-Zapper lockout: This lockout occurs when several pulse detection errors have occurred within a certain period of time. To exit this lockout, the pulses generation must be stopped (stop the car) and the key must be removed from the ignition.
- B-A2 Anti-Zapper lockout: this lockout occurs when several lockouts have taken place within a certain period. To resolve this lockout, the installation must be checked and the tariff have to be loaded again at the workshop.
- E-TX80 The TX80 is not responding or there is a system fault. The installation and the configuration of the TX80 must be checked at the workshop.
- E-ODOM There is an error in the distance reading on the TX80. The totalizers need to be reset at the workshop.
- E-TIME The date and time on the TX80 are incorrect. The date and time on the device need to be adjusted at the workshop.
- E-BOOT The TX80 is not starting up properly. The software needs to be reprogrammed at the workshop.

- E-VER The TX80 version is not compatible with the display version. The software needs to be reprogrammed at the workshop.
- E-BG96 The version of the GSM/LTE module is not compatible with the Prime version. Contact TAXITRONIC's after-sales service to have it updated.
- E-TOT The totalizers have been lost. The totalizers must be reset at the workshop.
- E-ID Prime ID error. Contact TAXITRONIC's after-sales service.
- E-APN The configuration for the Prime service is incorrect. The correct configuration needs to be set at the workshop.
- E1-TSE The TSE plate is not responding. The TSE installation must be checked by workshop.
- E2-TSE The TSE card is responding, but it is sending incorrect messages. The taximeter needs to be reset.
- E3-TSE CAN communication error. Contact TAXITRONIC's after-sales service.
- E4-TSE The TSE plate is in bootloader mode. The TSE firmware needs to be updated at the workshop.
- E5-TSE The TSE plate contains the verification software. To resolve this, a production program must be loaded in the workshop.
- E-GSM When you register with Prime, you won't have coverage. Wait until the device has signal move to an area with a better signal or check that the device is linked to a vehicle on the Prime website.