

Menus

7

■ First menu level – Standard values

► Display in stationary vehicle

This chapter describes the menus of the DTCO 4.0 which can be selected in a stationary vehicle.

Starting point is the standard display (a), which is shown after Ignition on in the display. (Default).

IMPORTANT

Menu functions for the display and the printout of driver data are only available if a corresponding card is inserted. This way, e.g. the menu point **Printout driver 2** is only displayed if a driver card is inserted into card drawer 2.

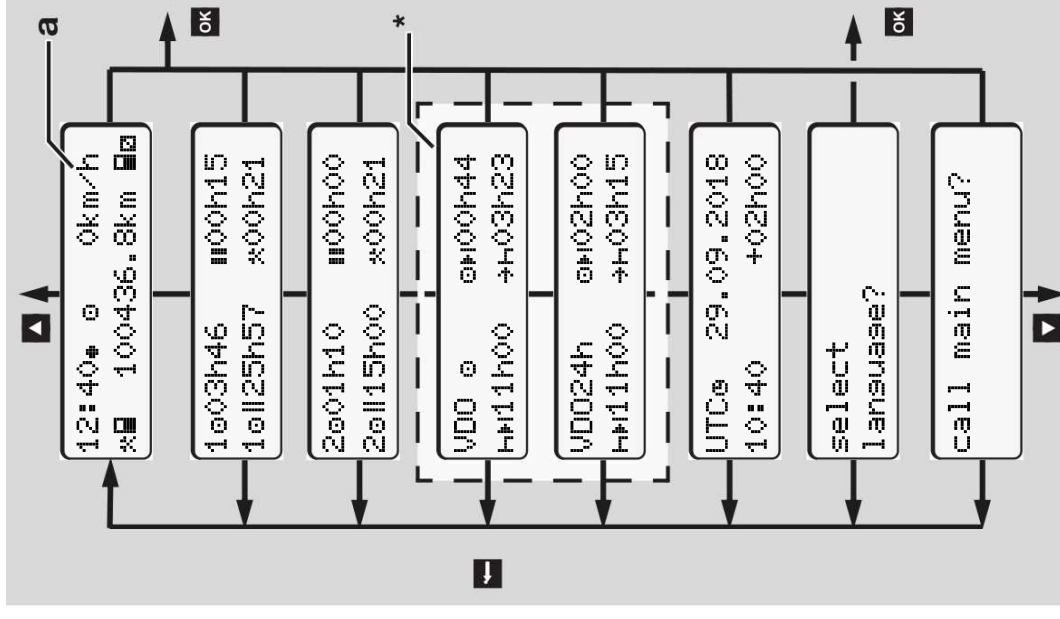


Fig. 58: First menu level (*=option VDO Counter)

IMPORTANT

If activated, option **VDO Counter** may also be displayed as the standard display.

Based on the standard display (a) as well as the corresponding inserted card, you can use button **▲/▼** to request the following information:

- Standard display (a) (e.g. after Ignition on)
- Two menus with information about the times of the inserted driver cards (1 = driver 1, 2 = driver 2)
→ *Display the times of the driver card* [73]
- (VDO) = Daily/weekly planning using the VDO Counters (option)
→ *VDO Counter (option)* [74]
- (UTC) = The UTC time with date as well as the set time difference (offset) for the local time
→ *Set Local time* [91]

- The menu for setting the required language
→ *Setting the language* [73]

Use the key **↵** to return directly to the standard display (a).

By pressing the button **OK** you will go to the second level – to the Menu functions.

→ *Second menu level – menu functions* [79]

► **Display the times of the driver card**

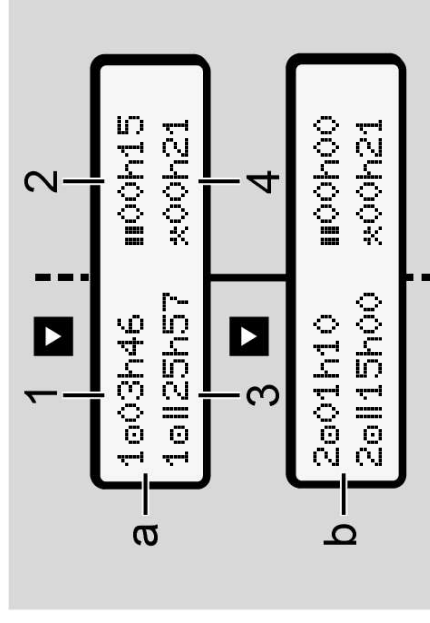


Fig. 59: Data of the driver card 1 or 2

(a)	Times of driver 1
(b)	Times of driver 2
(1)	Driving time Driver 1 since a valid rest time

(2)	Valid rest time ■ in intervals of at least 15 minutes and following 30 minutes, according to Regulation (EG) 561/2006
(3)	Sum of driving times over two weeks
(4)	Duration of the set activity

IMPORTANT

If no driver card is inserted, the times – except (3) – are displayed which correspond to the last status of card drawer 1 or 2, respectively.

► **Setting the language**

By default, the language of the application (issuing authority) is assigned to each driver card for the display.

You can change this default setting at every DTCO 4.0 by setting a different language.

The DTCO 4.0 remembers the set language via the card number of the inserted card.

Up to 5 languages can be stored.

1. Use the buttons **▲** / **▼** to select the function **Select language?** and press the button **OK**.
2. Use the buttons **▲** / **▼** to select the desired language and confirm your selection with the button **OK**.

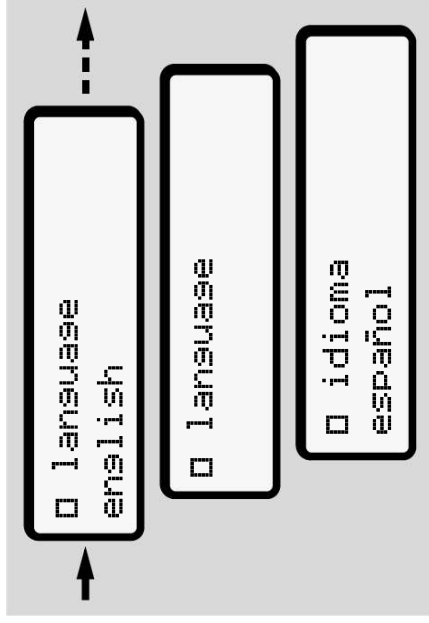


Fig. 60: Choosing the required language

3. The DTCO 4.0 displays the successful language storage in the newly selected language.

► VDO Counter (option)

IMPORTANT

The VDO Counter can be activated optionally.
If necessary, contact your authorised specialist workshop.

The VDO Counter (option) supports your daily-/weekly planning by displaying the remaining driving and rest times.

IMPORTANT

Observe legal requirements.
Due to possible different interpretations of Regulation (EC) 561/2006 and the AETR provisions by the national super-

visory authorities and due to additional system restrictions, the following continues to apply without restriction:

The VDO Counter does not dispense the user from the duty to record and independently evaluate driving, rest, standby and other working times in order to observe applicable provisions.

In other words: The VDO Counter does not claim to be a generally valid, error-free display of the legal provisions.

Further information on the VDO Counter are available on the Internet at www.fleet.vdo.com.

IMPORTANT

In order for the VDO Counter to display valid information, the following conditions must be met for the evaluation of data:

- A complete addition of your activities to the driver card.
→ *Manual entries (Entry / Addition)* [56]
- A correct setting of the current activity – no remote control; e.g. no unintentional setting of the activity working time * instead of daily rest time h.
→ *Setting activities* [52]
- The entry of ferry/train and your current activity.
→ *Ferry/train: Entering start/end* [90]

Description of the VDO Counter display

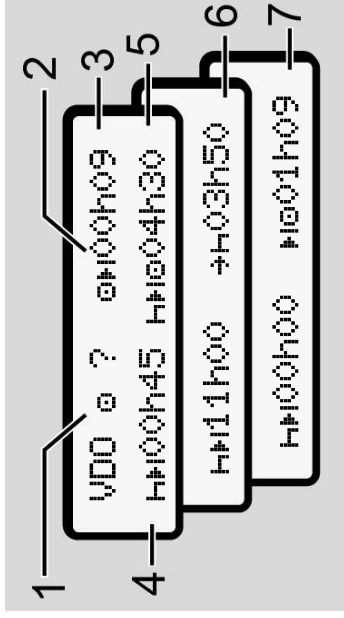


Fig. 61: VDO Counter - display creation

IMPORTANT

The flashing h means: This display part is currently active.

- (1) **Currently set activity**
- (2) **? = User note**

Periods with unknown activity ? or insufficient data (e.g. use of a new driver card) are stored on the driver card.

The VDO Counter evaluates missing activities such as activity h. If a relevant time overlap is detected in

the driver activities, this is displayed by the symbol ! instead of the symbol ?. And the driver activity.

(3) Remaining driving time e#h

When driving: Display how much longer you are permitted to drive. (e#h00h00 = driving time complete)

(4) Remaining rest time h#h

Length of the next required break/rest time.

If the set activity is h, the remaining break/rest time is counted back. (h#h00h00 = Break complete).

(5) Future driving time h#h#e

Length of the future driving time after observing the break / rest time.

(6) Latest start daily rest time #h#h

If the set activity is #, the remaining time to the start of your required daily rest time, for example, is displayed.

(7) Beginning of the next driving time

The next driving time can only commence after this time has expired.

VDO Counter – displays while driving

IMPORTANT

Please observe the working time specific country rules.

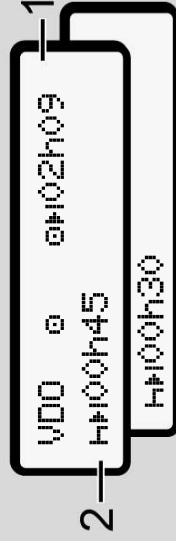


Fig. 62: Activity – remaining driving time vs.daily rest time

- (1) Remaining driving time
- (2) At the latest after the end of the driving time displayed (1) a break or continuation of the cumulated break must occur.

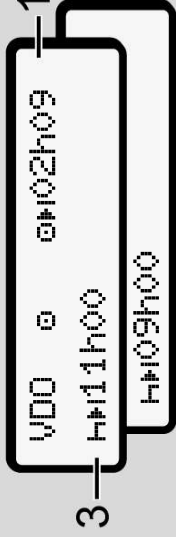


Fig. 63: Activity –remaining driving time vs. daily rest time

- (3) At the latest after the end of the driving time displayed (1), a mandatory rest time must follow.

If permitted, this rest time can occur in two parts, whereas the second part must include a continuous period of 9 hours.

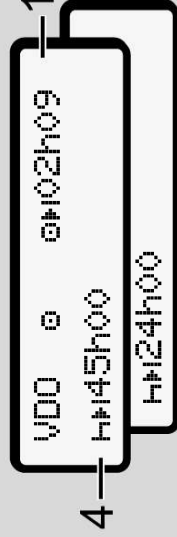


Fig. 64: Activity –remaining driving time vs. weekly rest time

- (4) At the latest after the end of the driving time displayed (1), a periodic weekly rest time must follow. If permitted, the pending weekly rest time can be shortened.

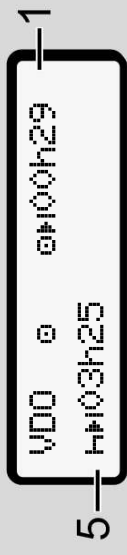


Fig. 65: Activity – ferry/train vs. continuation of rest time

- (5) The VDO Counter recognises time spent on a ferry/train.
Requirement: Correct entry of this function:
 → Ferry/train: Entering start/end [90]
- At the latest after the end of the driving time (1), the daily rest time must be continued.

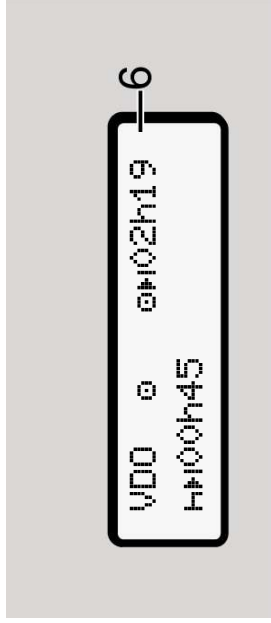


Fig. 66: Activity Ⓞ – Out of scope

- (6) The display of the remaining driving time is active (H flashing), counting down occurs.

The VDO Counter evaluates the activity Ⓞ as well as the activity ✱:

IMPORTANT

Please be aware that the calculations of the driving and rest times for the VDO Counter are based on Regulation (EC) 561/2006 and not the Implementing Regulation (EU) 2016/799 Annex I C, as amended.

Therefore, there may be discrepancies to the standard displays of the DTCO 4.0.

VDO Counter – displays for rest time activity

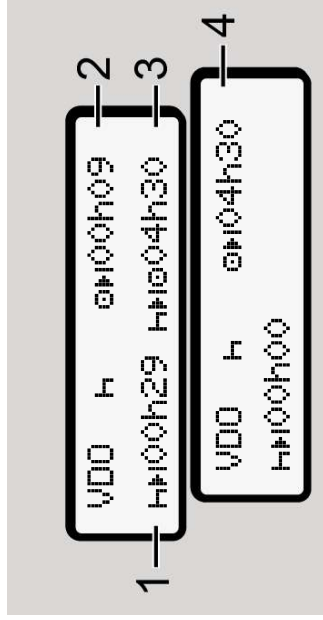


Fig. 67: Activity H – rest time vs. available driving test

- (1) Remaining rest time
- (2) Remaining driving time, if the rest time (1) is not observed.
- (3) Period of the next available driving time after the end of the rest time displayed (1).
- (4) Available driving time after a valid rest time.

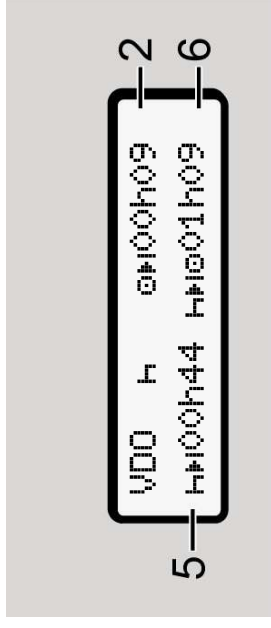


Fig. 68: Activity H – rest time vs. available daily driving time

- (5) Remaining rest time.
- (6) Length of the available daily driving time after the end of the rest time (5).

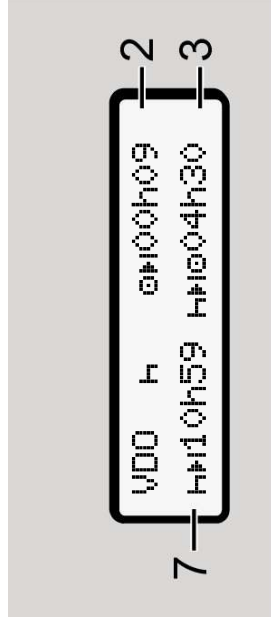


Fig. 69: Activity H – daily rest time

- (7) Remaining daily rest period.
If permitted, split into 3 + 9 hours.

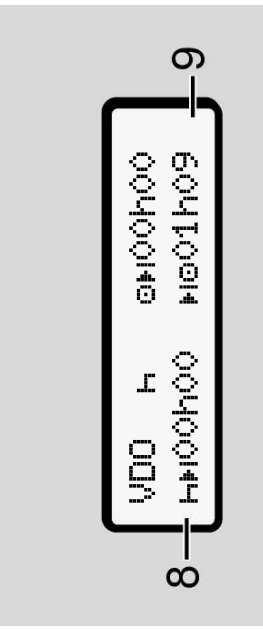


Fig. 70: Activity H – End of rest time

(8) Valid rest time complete.

The display 00h00 flashes for 10 seconds. If the rest time is continued, the VDO Counter changes to the period of the next daily or weekly rest time.

- (9)** Beginning of the next driving time.
Situation: The maximum weekly driving time or double weekly driving time has already been reached. Although the valid interruption was observed, the VDO Counter recognises that a new driving period is only possible after the end of the displayed time.

VDO Counter – Displays for activity working time

IMPORTANT

Please observe the working time specific country rules.

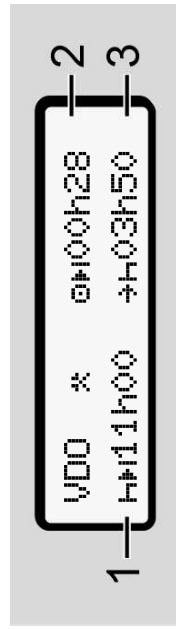


Fig. 71: Activity * - working time vs. rest time

- (1)** Duration of the next daily rest period
- (2)** Remaining driving time
- (3)** Beginning of the next daily rest period. At the latest before the end of the time displayed, a daily rest time must commence.

Note:

The VDO Counter evaluates the activity during an interruption of the driving time comparable to the activity H (except the daily rest time).

Use keys **▲** / **▼** to retrieve further information.

VDO Counter – displaying daily values

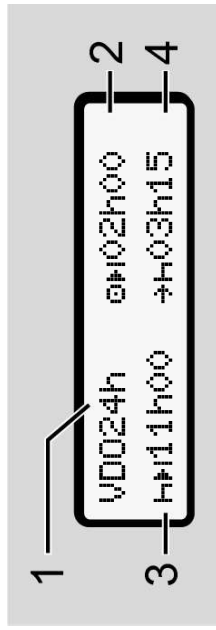


Fig. 72: Activity * - daily values

- (1)** Symbol for the display of the daily values
- (2)** Remaining daily driving time
- (3)** Duration of the next daily rest period
- (4)** At the latest before the end of the time displayed, a daily rest time must commence.

VDO Counter – displaying weekly values

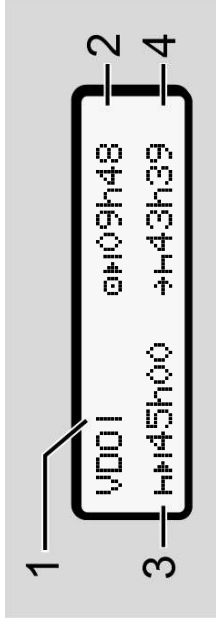


Fig. 73: Activity  - weekly values

- (1) Symbol for the display of the weekly values since the last weekly rest time
- (2) Remaining weekly driving time
- (3) Length of the weekly rest time. At the latest after six daily driving times, a weekly rest period must follow.
- (4) At the latest before the displayed time comes to an end, the weekly rest period must start.

IMPORTANT

The displays in relation to weekly rest time (3) and (4) may be deactivated for the transnational passenger transport.

If the evaluation of the weekly values in the VDO Counter is deactivated, the values are not displayed.

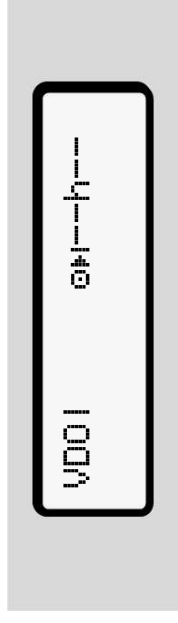


Fig. 74: Display deactivated calculation

VDO Counter – status display

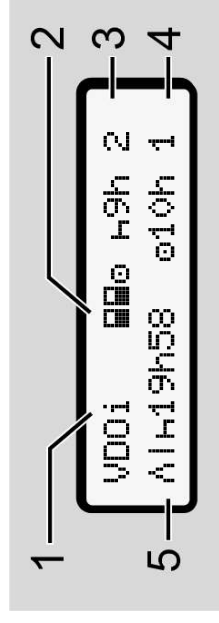


Fig. 75: VDO Counter – status display

- (1) Symbol for the status display
- (2) Symbol for crew operation
Is displayed if crew operation is used since the start of work. The VDO Counter observes the rules applicable in these calculations.
- (3) In this week, two more reduced daily rest times are permitted (max. 3x per week possible).

- (4) In this week, one more extended daily driving time of a maximum of 10 hours is permitted (max. 2x per week possible).
- (5) Reconciliation of a shortened weekly rest time
Due to a shortened weekly rest time, the time displayed must be reconciled, with a rest time of at least 9 hours.

IMPORTANT

The display for a shortened weekly rest time (5) may be deactivated for the transnational passenger transport.

If the evaluation of the weekly values in the VDO Counter is deactivated, the values are not displayed.

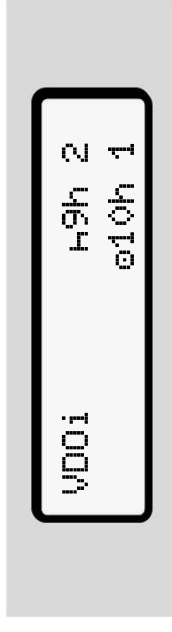


Fig. 76: Display deactivated calculation