

**Units**

The metric unit system with kilometres and litres is preset by default.  
By pressing and holding the button, you can switch to and from the Anglo-American unit system with miles and gallons.

**Clock**

By default, the time is set in the 24-hour system.  
Change to the 12-hour system possible.

**Brightness**

The default setting is 80% brightness.  
Various brightness levels can be set.

**Colour of the dial backlighting**

The dial is illuminated in white as standard.  
Different illumination colours can be set.

**Colour of the display backlighting**

The display is illuminated in white as standard.  
Different illumination colours can be set.

**Only for initial configuration****Selecting the signal source**

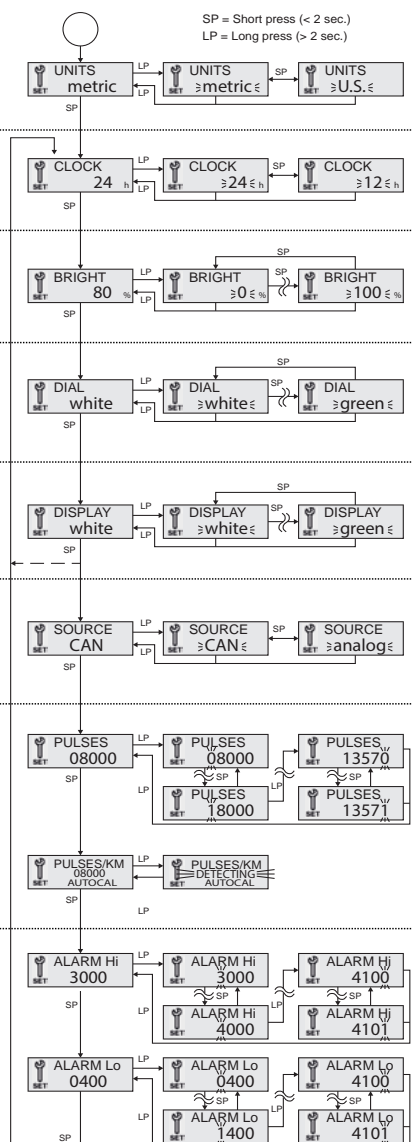
The analogue signal input is activated by default.  
It can be switched to CAN input.

**Setting the pulse rate**

In the case of an analogue signal source, the correct pulse number must be set in order to obtain a correct display of driving speed or motor speed. The default setting is 8000 pulses per kilometre and 6 pulses per revolution. Possible values are 0.5 to 999.9 pulses per engine revolution and 20 to 99,999 pulses per kilometre.  
For speedometers with unit selection 'metric' and for rev counters, this pulse number can be specified directly. Speedometers have an auto-calibration of the pulse number, see chapter Automatic pulse calibration.

**Setting the warning thresholds**

Upper and lower warning threshold for activating the red warning light in the dial gauge. In the case of engine rev counters, the warning light is activated by default at below 400 rpm and otherwise the upper and lower ends of the dial scale are selected.

**8.4.1 Automatic pulse calibration**

For speedometers, there is the option of auto-calibration, where the dial gauge determines the pulse rate itself.

The auto-calibration function is started in the extended configuration menu by holding the button pressed and is indicated by a flashing "DETECTING". The vehicle now travels exactly one kilometre or one mile (road or test bench), depending on the unit system set. At the same time, the dial gauge counts the pulses independently. Pressing the button ends the measurement, and the determined pulse rate is accepted and displayed.

The function will terminate if the result is invalid (number of pulses lower than 20 or higher than 400,000) or after 30 seconds without pulse detection (time-out).

## 9 Operating instructions during operation

### 9.1 Operating instructions for dial gauges with a diameter of 52 mm

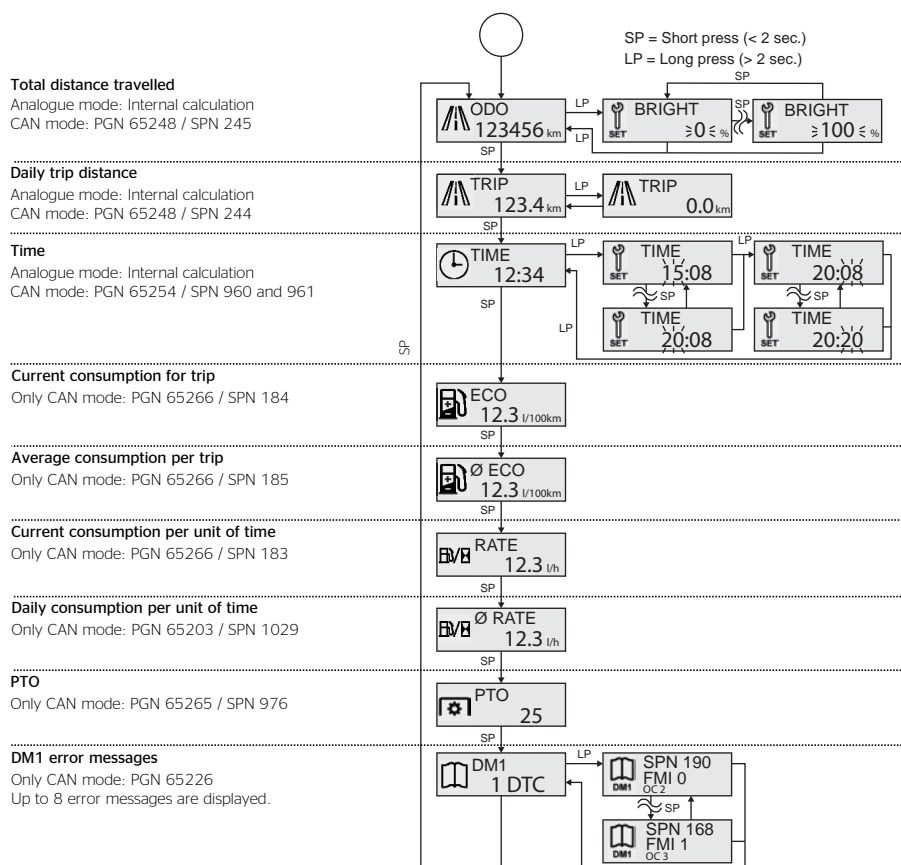
Dial gauges with a diameter of 52 mm display the relevant vehicle parameter and, where applicable, a warning during operation and do not allow any further operation by the user.

### 9.2 Operating instructions for speedometers (with a diameter of 80 and 100 mm)

Pressing the button briefly ("SP", shorter than 2 seconds) switches to the next menu item or increments the currently displayed value when in change mode.

Pressing the button for longer than 2 seconds ("LP") switches to change mode, to the next value or back to the display menu. Change mode is terminated if no button is pressed for 30 seconds.

The ► Configuration menu can be accessed each time the vehicle is started by pressing the button when the vehicle is being switched on.



### 9.3 Operating instructions for rev counters (with a diameter of 80 and 100 mm)

The ► Configuration menu can be accessed each time the vehicle is started by pressing the button when the vehicle is being switched on.

The Welcome logo ► 17] may be displayed initially after the start.

The operating menu is then launched. The menu items can be edited using ► ConfigTool. The preset menu is explained below.

