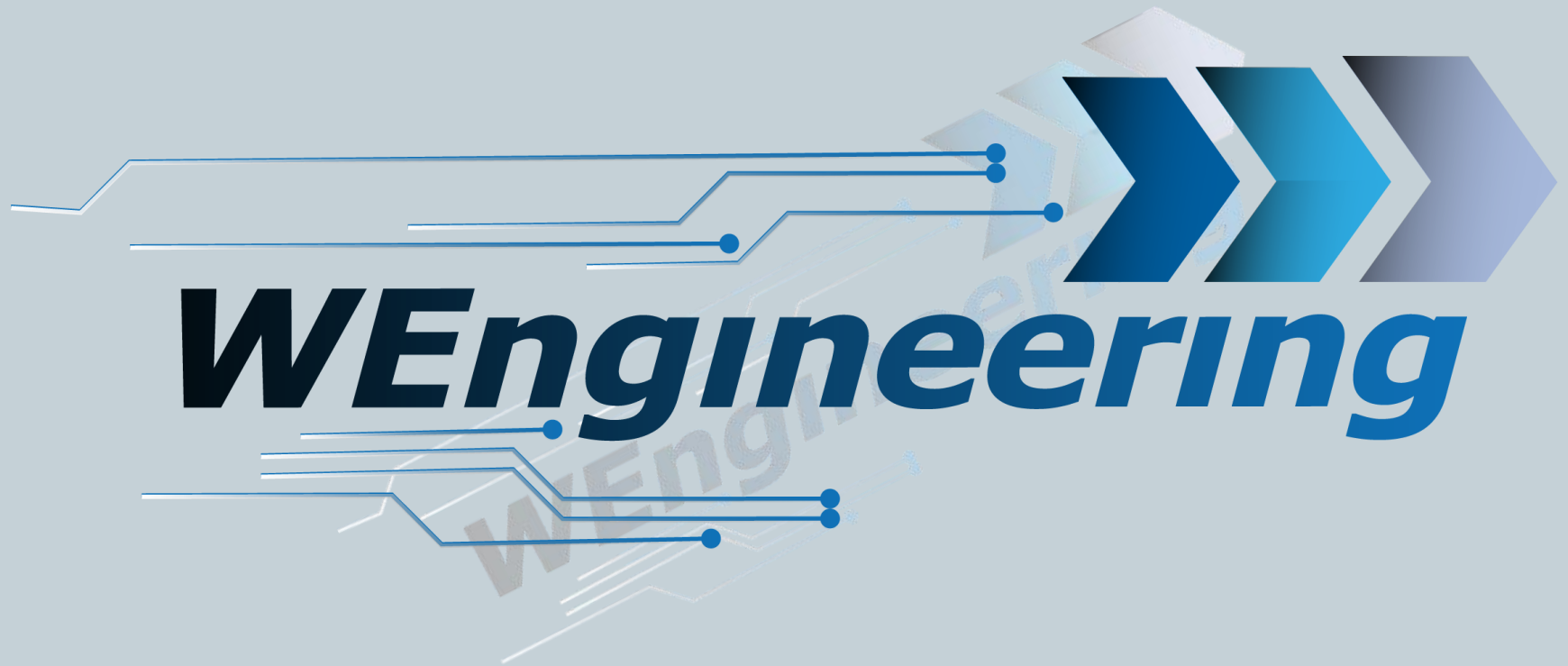
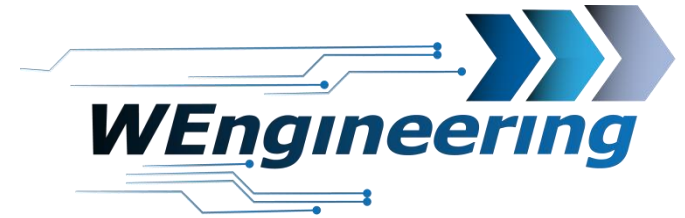




Operating instructions Data display V3

Version: V3.0

Date: October 1, 2025



1

Data display V3



Function overview

- Display of lots of useful data.
- All signals can be displayed as current value, maximum value, or stored best value.
- All signals/values that you want to see can be defined by yourself.
- Min/max values can be defined for all signals.
- Value monitoring through value coloring/bar coloring or pop-up information.
- Display/save maximum values. Three groups can be configured for this purpose.
- Diagram function
- Time measurement (0-100, 100-200, 200-250)
- Error memory read and delete
- Display control via touch + F/G models via multifunction steering wheel buttons
- Control of a series exhaust flap
- X-Drive deactivation (only for X-Drive F/G models + WE OBD dongle)
- Deactivation/activation of the popcorn/bubble thrust interruption function
- Correction of vehicle speed and engine power
- Set start menu to static or automatically save the last active menu
- Change units bar/psi, kmh/mph, °C/°F, lbs/Nm, lambda/AFR
- 2 color designs (white, orange)
- Language: German/English
- Automatic switch to night design
- Automatic/manual display dimming
- 1 input for a pressure sensor
- 1 input for an NTC temperature sensor 0-150°C
- Interface for WE OBD dongle for X-Drive control
- Micro USB port for updates

Overview of the signals displayed



- Speed [km/h]

- Torque [Nm]

- Power [hp]

- Boost pressure [bar]

- RPM [rpm]

- Engine oil temperature [°C]

- Outside temperature [°C]

- Acceleration in direction of travel [m/s²]

Overview of the signals displayed



- Accelerator pedal position [%]



- Exhaust gas temperature [°C]



- Exhaust gas temperature 2 [°C]



- Water temperature [°C]



- Air mass [g/s]



- Charge air temperature [°C]



- Back pressure before DPF (diesel only)



- Transmission temperature [°C] (automatic or with DKG transmission)

Overview of the signals displayed



- Ignition angle reduction [°] (gasoline engines only)

- Lambda/AFR

- Rail pressure/fuel pressure [bar]

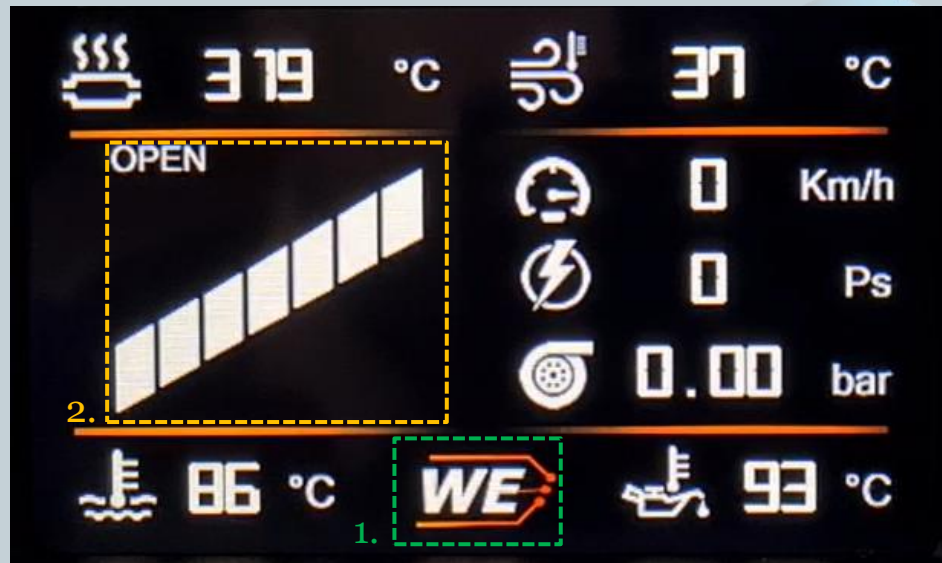
-DPF differential pressure (diesel only)

-Fuel temperature

-Oil pressure

Display operating concept

1. Screen Dash -> 1



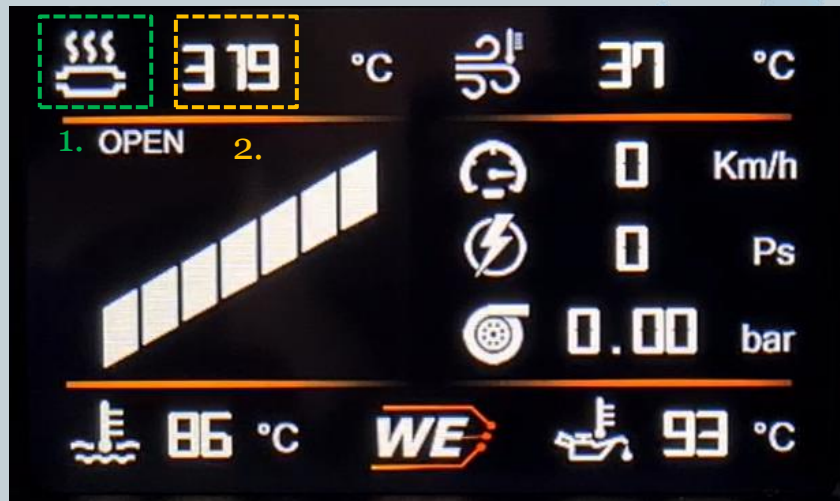
Pressing certain icons takes you to the corresponding screens or triggers a function.

1. Next screen
2. Shortcut key for controlling the standard exhaust flap.

Display operating concept

1. Screen Dash

1. All signals can be configured individually. To select the desired signal, click on the corresponding symbol.



2. To set the min/max values, click on the value accordingly.

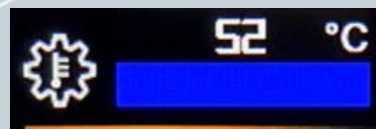
Display operating concept

1. Screen Dash -> Signal Settings

1. You can choose between current, maximum value, and best value. The difference is that the best value is stored long-term, while the maximum value is lost as soon as the power supply to the display is switched off.



2. With the "Value coloring" indicator, the value is colored blue when it falls below the set value. When it exceeds the set value, it is colored red. This also applies to the bar display. In addition, a message can be activated.



Operating concept Display

1. Screen Maximum



1. Select signal
2. Reset value
3. Reset all values Maximum/best value
4. Detailed value view

4. You can view the environmental data in the detailed value view. In this example, the speed was 2320 rpm and the rail pressure was 350 bar at a torque of 597 Nm.



Display operating concept

1. Screen Time

1. Measurement
2. Time
3. Best time
4. Status



To delete the best value, simply press on the value.



- Timeout



-Active



-Successful

Measure

measurement

The speed can be corrected in the Setup menu -> Adjustment."

Display operating concept

1. Screen Graph



Four signals can be configured as desired in the graph.

1. To do this, press the signal icon.
2. Press the value to scale

Display operating concept

1. Screen Functions



IMPORTANT:

To enable the diagnostic interface for the workshop or for logging, please set the

"Service -> On"

Otherwise, communication with the engine control unit via an external tester will not be possible!

For F/G models, it is recommended to switch off the ignition after activating Car Service and wait until the instrument cluster has completely switched off. Make sure that nothing is connected to the OBD socket during this time.

With Service "off," the display will operate normally!

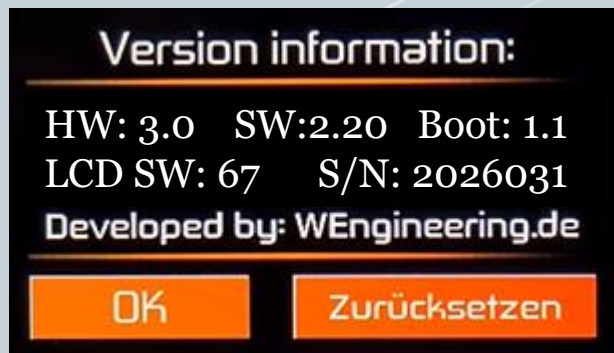
Display operating concept

1. Screen Functions



Here you have the option of permanently switching off the display and manually controlling the brightness.

When you switch off the display, the OBD interface is automatically enabled for the workshop or for logging.



Functions -> Info

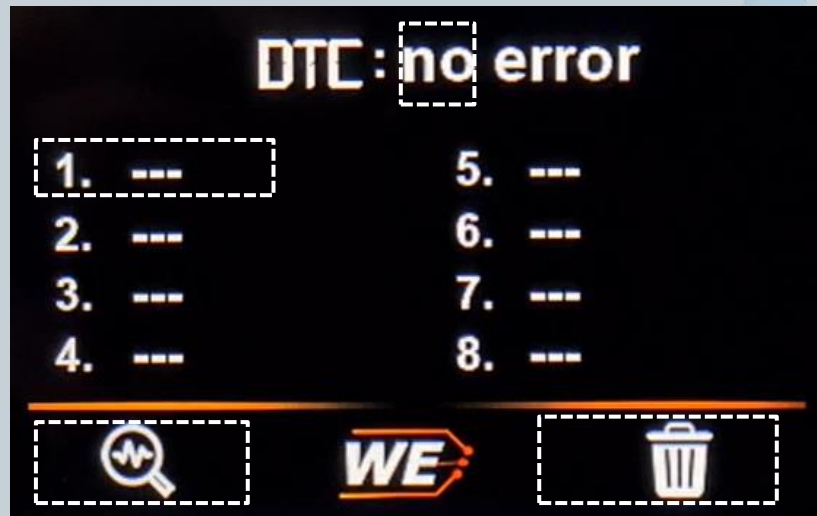
Here you have the option to reset the display to the factory settings.

This is only recommended if you are installing the display in a vehicle other than the one specified when ordering.

Display operating concept

1. Screen Functions -> DTC

Number of errors in the engine control unit



Error code

Error status

- | | | |
|----|---|---|
| 1. |  | 1. Error not currently present, but has been stored |
| 2. |  | 2. Error was recorded in this driving cycle and is present. |

Read error memory

Clear error memory

Display operating concept

1. Screen settings



Language: German or English

Design:

1. Always white
2. White during the day and orange at night (turn down the combination lighting slightly if there is no switchover at night!)
3. Always orange



Option: Static

You can manually specify which menu should be displayed when the ignition is switched on

Option: Last

The last active menu is started automatically

Display operating concept

1. Screen settings



Available units:

°C/°F, kmh/mph, bar/psi, Nm/lbs
Lambda/AFR



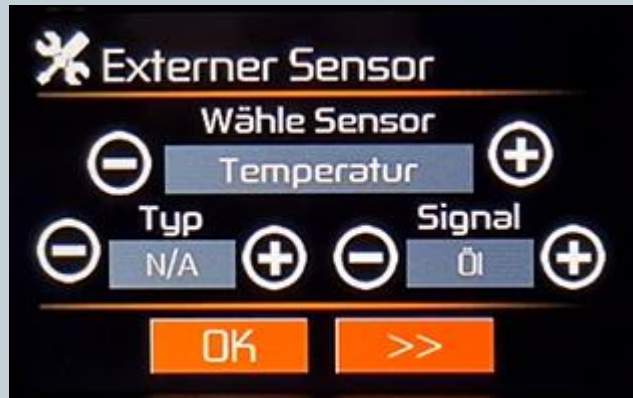
In this setup menu, it is possible to correct the displayed **power** and **speed**.

Corrections are made in percentages and in increments of 0.5%.

Example: Displayed speed = 100 km/h, speed according to GPS = 102 km/h. This means a correction of +2% is necessary.

Display operating concept

1. Screen settings



Here you can configure settings for external pressure or temperature sensors.

1. Select pressure or temperature sensor
2. Select the type of sensor
3. Select the signal for which you want to use the sensor

If you activate an external pressure sensor, you will be prompted to calibrate it the next time you start the device. Calibration is optional.

On the back of the display, you will find a 3-pin connector for the pressure sensor and a 2-pin connector for the temperature sensor.

Display operating concept

1. Screen settings



Additional settings are only available on F/G models with X-Drive and/or diesel vehicles.

The X-Drive function can be deactivated either manually or automatically when the engine is started. **A WE OBD dongle is required for control!**

Furthermore, the source for the engine oil temperature can be set for diesel vehicles.
CAN = Average oil temperature
ECU = Actual oil temperature

Display operating concept

1. Operating the display using the multifunction steering wheel buttons (F/G models only)



1. You can quickly switch between the individual screens using the rocker switches on the MFL. To do this, press the rocker switch lightly upwards or downwards.

Up = forward, down = back

2. To access the desired menu more quickly, press the rocker switch all the way up or down. This will bring up the main menu. Repeat this function until the selection is in the desired position. You can access the submenu by lightly pressing the rocker switch or waiting 5 seconds.



Display operating concept

2. Operating the display using the multifunction steering wheel buttons (F/G models only)



Pressing and holding the rocker switches for 2 seconds triggers a function **in the corresponding menu.**

2 seconds up = read error memory

2 seconds up = reset maximum values

2 seconds down = Clear error memory

Display operating concept

3. Control of the exhaust flap via MFL (F/G models only)



If an exhaust flap has been installed at the factory, it can be controlled using the "Res" button or by pressing and holding the rocker switch for 2 seconds. There are 3 modes (Auto, On, and Off).

For N55/S55/B58 engines, the overrun cut-off can be deactivated by pressing the RES button (F models only) for 3 seconds.

Deactivation is indicated by this symbol:



Permanent deactivation of the exhaust flap control:

To do this, press the green area for 3 seconds.

Reactivation is only possible while driving at speeds of 50 km/h or higher by pressing briefly.

Troubleshooting: no communication with engine control unit

After installing the data display, the diagnostic interface is permanently blocked. This means that no communication via OBD to the engine control unit is possible. Programs such as EDIABAS, ISTA, and INPA report an error when establishing a connection.



IMPORTANT:

To enable the diagnostic interface for the workshop or for logging, please set the

"Service -> On"

Otherwise, communication with the engine control unit via an external tester will not be possible!

For F/G models, it is recommended to switch off the ignition after activating Car Service and wait until the instrument cluster has completely switched off. Make sure that nothing is connected to the OBD socket during this time.

With Service "off," the display will operate normally!

Troubleshooting: why the power/torque does not match.

This only affects vehicles with modified engine software. This indicates poor tuning, because when the various characteristic maps are changed, the characteristic map for torque must also be adjusted accordingly. Many tuners skip this step. The display only shows the values provided by the engine control unit.

It can also happen that important temperature values such as exhaust gas temperature/charge air are fixed in order to get more power. This means that your engine does not limit the power, but loses its important protective function.