
AWROTT
automotive
START
STOP
ENGINE
12.8 V
0
150
300
470
690
365 Nm
70 °C
78 °C

E8xDGA Table of contents

E8xDGA 1 E-Serie

E81- 3 doors | E82- Coupé | E87- 5 doors | E88- Cabrio

All models with following engines are supported: | Gasoline engine | Turbo- Gasoline engine | Diesel- engine

E8xDGA Product desription

Data display:

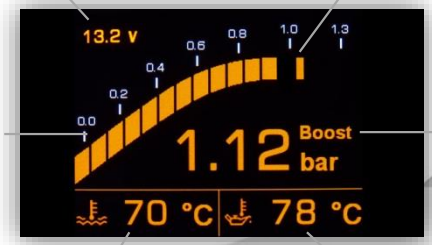
- Boost pressure
- Tourque
- Performance
- Sprint
- Lateral and Longitudinal accelaration
- Performace chart
- Maximum values

Visually, the display fits perfectly into the Interior. The monitor, which is equipped with latest OLED technology is incorporated into the existing ventilation shaft. Thus, no external holders are necessary, and you have a good view of the displays while driving.

To operate the Displaysystem, you just have to use the steering wheel buttons. Thus, control of the vehicle by the driver is always maintained.

System components

Boost pressure display



1 Battery voltage
2 Boost pressure bar
3 Peek holder bar
4 Boost pressure
5 Cooling water temperature
6 Oil temperature

1. Indicates the current battery voltage
2. Graphically represents the boost pressure, between 0 and 1.35 bar, and is equipped with a towing pointer
3. Holds the early maximum of loading pressure for 2 seconds
4. Indicates the charging pressure digital, between 0 and 1.35 bar
5. Specifies the current cooling temperature in °C
6. Specifies the actual oil temperature between - 40 °C and 150 °C

Torque display

1 Battery voltage
2 Torque bar
3 Peek holder bar
4 Torque
5 Cooling water temperature
6 Oil temperature

1. Indicates the current battery voltage
2. Graphically represents the torque between 0 and 650 Newton Mertes, and is equipped with a towing pointer
3. Holds the early maximum of loading pressure for 2 seconds
4. Indicates digital torque between 0 and 650 Newton metres
5. Specifies the current cooling temperature in °C
6. Specifies the actual oil temperature between - 40 °C and 130 °C

System components

Performance display

1 Battery voltage

2 Power bar

3 Peek holder bar

4 Power

5 Cooling water temperature

6 Oil temperature

1. Specifies currently speed according to the speedometer
2. Represents the power between 0 and 400 PS and is equipped with a peek holder bar
3. Holds the early maximum of loading pressure for 2 seconds
4. Specifies the power digital between 0 to 400 PS
5. Specifies the current cooling temperature in °C
6. Specifies the actual oil temperature between -40 °C and 130 °C

Sprint display

1 Speed

2 Stopwatch

3 max. Speed

4 Sprint times

5 Longitudinal acceleration

1. Specifies currently speed in km/h according to the speedometer
2. Specifies the time depending on the current speed
3. Indicates the ever reached maximum speed in km/h
4. Specifies the best Sprint time from 0 to 100 km/h or 0-200 km/h
5. Specifies the maximum reached longitudinal acceleration in g (g = 9,81 m/s²)

System components

Lateral and Longitudinal accerlaration

1 Longitudinal acceleration

2 Longitudinal acceleration bar

3 Peek holder bar

4 Lateral accelaration

5 Lateral accelaration

1. Specifies the longitudinal acceleration in G (G= 9,81 m/s²)
2. Graphically represents the longitudinal acceleration, between 0,8G backwards and 0,8G forwards and is equipped with a drag indicator (G= 9,81 m/s²)
3. Hold for 2 seconds the provisional maximum of longitudinal acceleration
4. Specifies the lateral acceleration in G (G= 9,81 m/s²)
5. Graphically represents the lateral acceleration between 2,0G to the left and 2,0G to the right, and is equipped with a towing pointer (G= 9,81 m/s²)

Performace chart

1 Power

2 Power

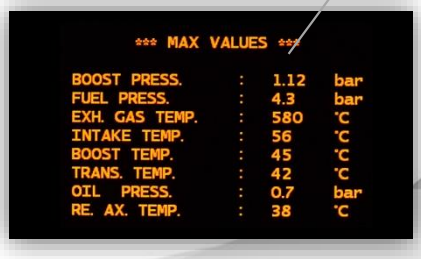
3 Torque graph

4 Torque

1. Graphically represents the power
2. Specifies the power digital between 0 and 500 hp; the provisional maximum value is kept
3. Graphically represents the torque
4. Specifies the torque digital between 0 an 600 Nm; the provisional maximum value is kept

System components

Maximum values



1 Maximum values

1 Specifies the maximum value of the current drive; When the switch off the ignition deletes these values

Switch off display

1 Switch off display

1 During the brief wait about 2 seconds, the display turns off; by pressing the wheel button it is possible to turn the display back

E8xDGA Key functions

To operate the Display E8xDGA you just have to use the sterring wheel buttons. Each a press of a specified button (for example the hash key) is enough, to switch between the displays. This allows an easy handling and ensures the control of the vehicle by the driver.

Assigment of keys:
The buttons of the left, as well as by the right-hand wheel block can be used. By 5 seconds press any key, it is applied to the operation. The display reports the adoption of the key acoustically.

Diagnose Mode:
Hold 10 seconds again to activate the workshop mode**.** The message „ DIAGNOSE MODE AKTIV!" appears in the display.This allows vehicle work with the BMW- diagnose device. The diagnostic mode is finished by on and turn off the ignition

Dimming:
To adjust the dimming, you have to press the allocated button for 3 seconds and an acoustic signal is heard. In the space of another 3 seconds, you can regulate the dimming by pressing the button. 3 Different levels are selectable.
By longer wait for 10 seconds, the dimming mode is deactivated.

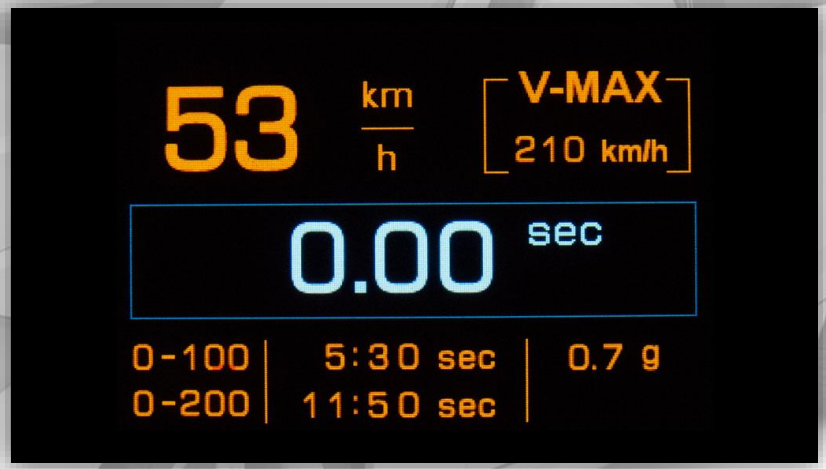
E8xDGA Sprint function

The sprint display is operated only by the driving style of the driver. So they are not any external buttons for the operation necessary.

In the stand is the stopwatch, as well as the speed to 0.
As soon as the driver accelerated the timing begins.
For the first measurement, from 0 to 100 km/h, the driver will have 15 seconds. If the driver is not able to accelerate to 100 km/h, the measurement stops and the timer goes back to 0.
Is the driver able to accelererate to 100 km/h, the second measurement from 0 to 200 km/h begins.
For this speed the driver has 10 more seconds, so 25 seconds to speed up to 200 km/h.

The maximum achieved times, as well as the maximum longitudinal acceleration are stored and displayed at the bottom of the display.
As well, the ever reached maximum speed is represented in the upper right area of the screen. These stored maximum values are automatically replaced by new highs.

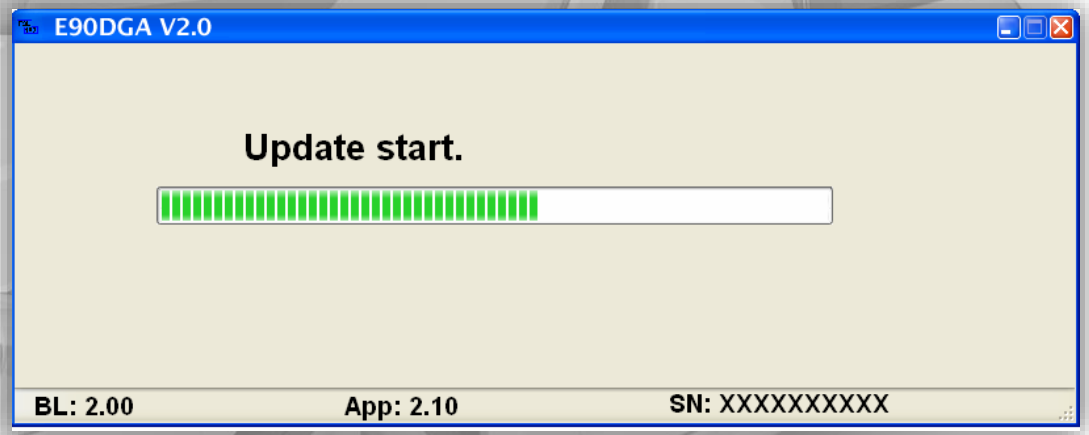
To delete these peaks, it is only necessary to press the control button for 3 seconds. There is a short display change and therefore resets all values. This is done only in the Sprint display mode.



E8xDGA Software update

Software updates are available for the operating systems Windows XP and Windows 7.
Required software is available for download at Awron.de. Then the computer has to be connected with the display system via USB and the required driver software installs itself automatically.

The software file must only be opened, and the update starts automatically.



E8xDGA Purchased parts package

Purchased parts package

- Display system
- Cable harness incl. USB connection
- Diesel sensor (only for diesel engines to determine of the oil temperature)
- Operating instructions

This purchased parts package ensures an assembly true the motto of „plug and play".

The wiring harness is connected directly to the can bus, which ensures a precise data transmission.

E8xDGA Technical data

Display

- OLED display 320 x 240

Cutting point

- CAN – Bus 1 Mbit
- USB cutting point for Software update

Case

- Plastic, original BMW air grille

Size (length x width x depth)

- 290 mm x 105 mm x 110 mm

Weight

- 300 g