

Article: F3x DGA	Version: V1.0	Page: 2
Author: Awron GmbH	Date: 10.03.2014	

Table of contents

F06DGA Table of contents

Modell support	S.3
Product description	S.5
System components	S.6
Operating concenpt	S.14
key functions	S.14
Sprint function	S.16
Quarter mile function	S.17
Software update	S.19
Purchased parts package	S.20
Technical data	S.21

Article: F3x DGA	Version: V1.0	Page: 3
Author: Awron GmbH	Date: 10.03.2014	

Model suport

F13DGA 6 F-Series





Article: F3x DGA	Version: V1.0	Page: 4
Author: Awron GmbH	Date: 10.03.2014	

Product description

F13DGA Product desription

Messwertdatenanzeige:

- Boost pressure
- Tourque
- Performance
- Leistungsdiagramm
- Lateral and Longitudinal accelaration
- Sprint
- · Quarter of a mile
- Lambda values and exhaust gas temperature
- Rail pressure and fuel pressure
- 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.



Article: F3x DGA	Version: V1.0	Page: 5
Author: Awron GmbH	Date: 10.03.2014	



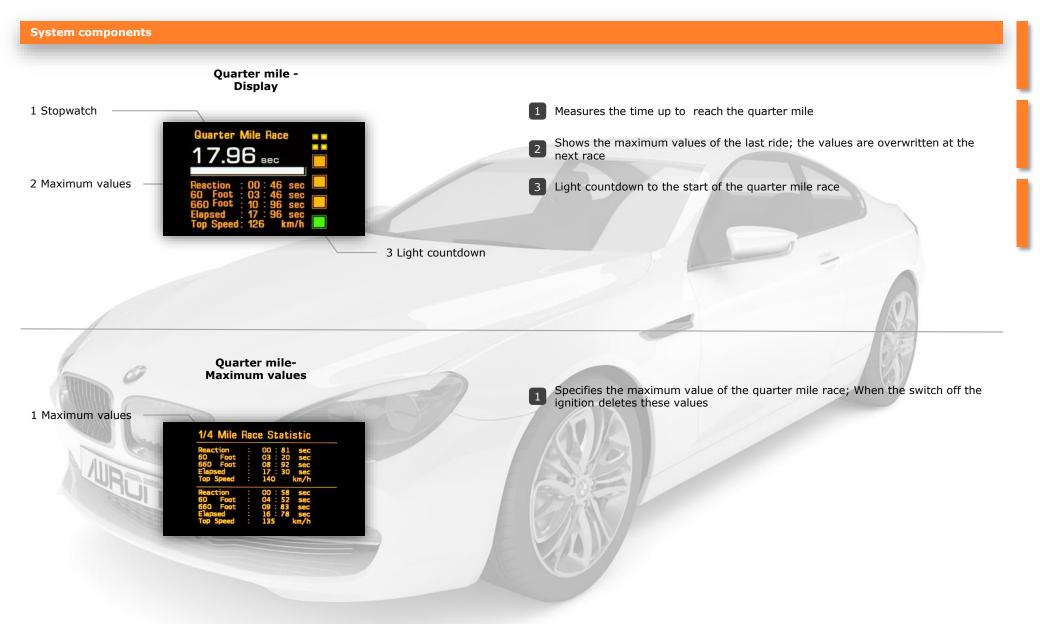
Article: F3x DGA	Version: V1.0	Page: 6
Author: Awron GmbH	Date: 10.03.2014	



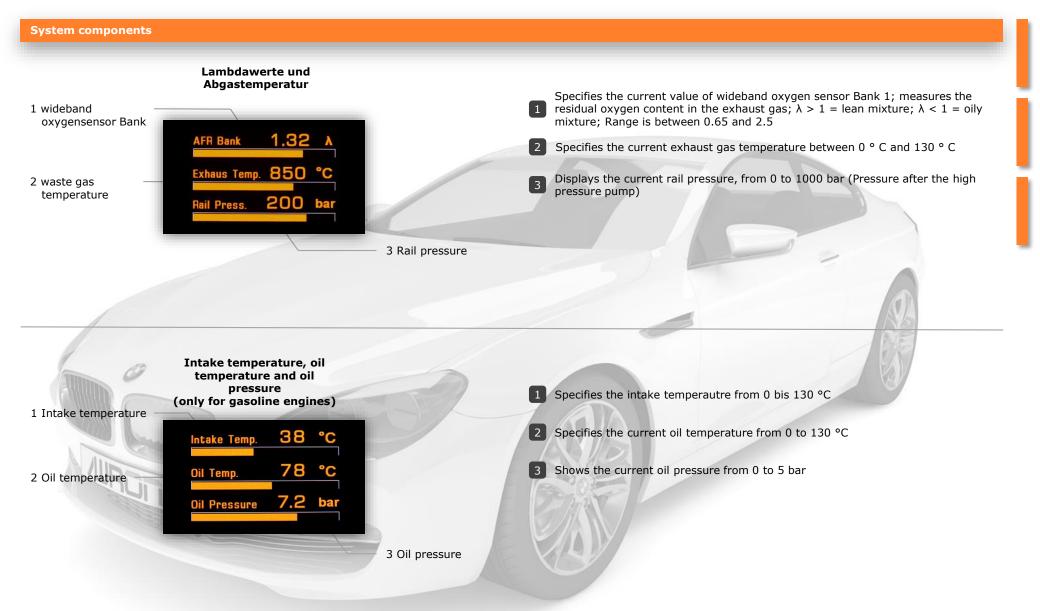
Article: F3x DGA	Version: V1.0	Page: 7
Author: Awron GmbH	Date: 10.03.2014	



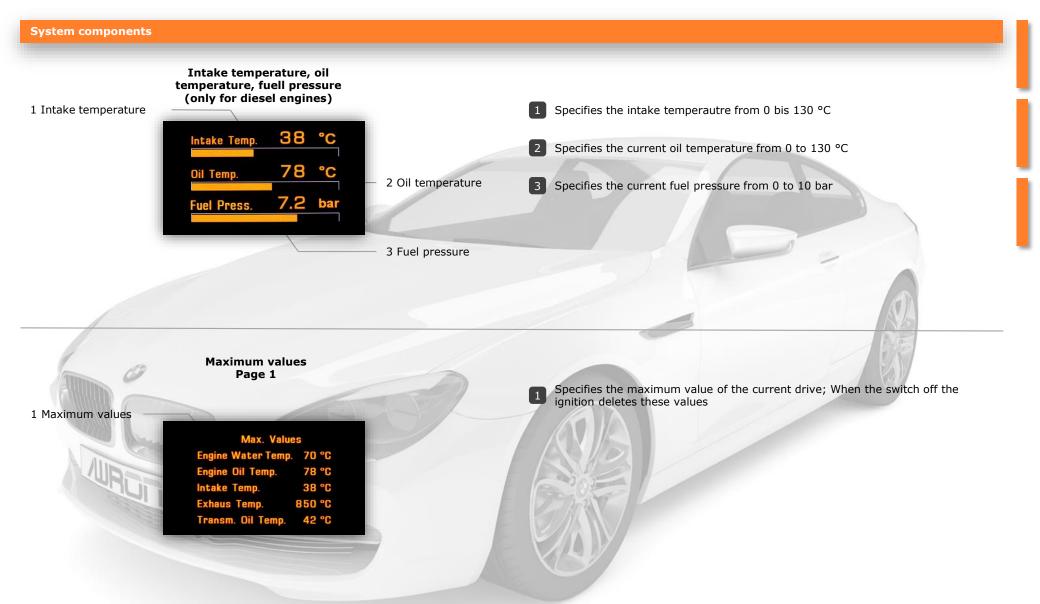
Article: F3x DGA	Version: V1.0	Page: 8
Author: Awron GmbH	Date: 10.03.2014	



Article: F3x DGA	Version: V1.0	Page: 9
Author: Awron GmbH	Date: 10.03.2014	



Article: F3x DGA	Version: V1.0	Page: 10
Author: Awron GmbH	Date: 10.03.2014	



Article: F3x DGA	Version: V1.0	Page: 11
Author: Awron GmbH	Date: 10.03.2014	

System components

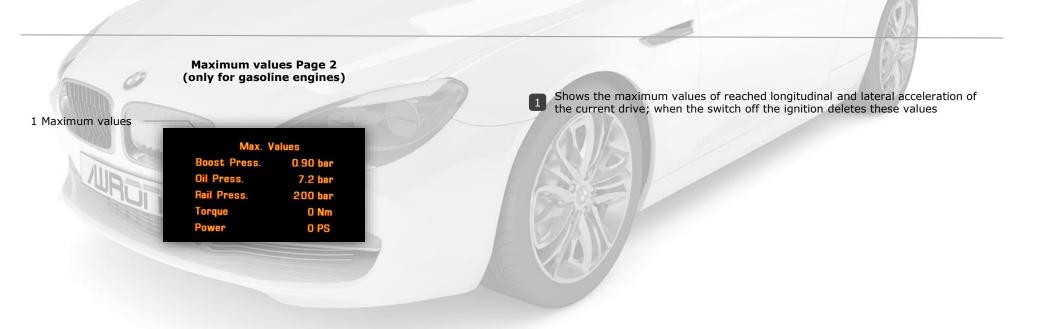
Maximum values Page 2 (only for diesel engines)

Max. V	alues
Boost Press.	0.90 bar
Fuel Press.	7.2 bar
Rail Press.	200 bar
Torque	0 Nm
Power	0 PS

1 Maximum values



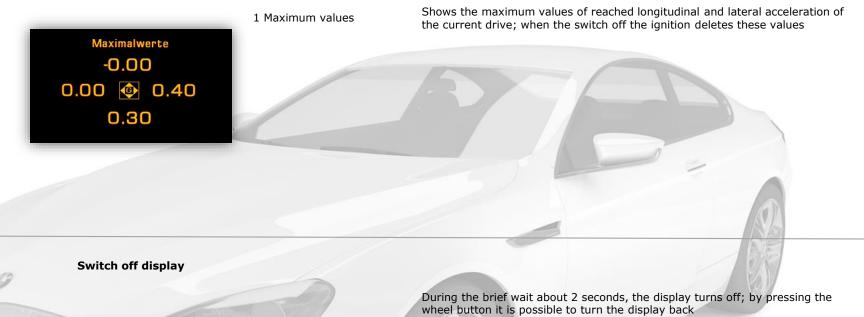
Specifies the maximum value of the current drive; When the switch off the ignition deletes these values



Article: F3x DGA	Version: V1.0	Page: 12
Author: Awron GmbH	Date: 10.03.2014	

System components

Maximum values Page 3



1 Switch off display

Article: F3x DGA	Version: V1.0	Page: 13
Author: Awron GmbH	Date: 10.03.2014	

F13DGA Key functions

The display F1xDGA is operated above the already existing rocker switch on the steering wheel of speed control. If the cruise control is switched off, you can switch back and forth between the individual system components.

When the cruise control is on, the display remains in the last active screen and the rocker switch assumes their original function. This allows an easy handling and ensures the control of the vehicle by the driver.



Changing of system components:

To switch between the individual system components suffice a light tap on the rocker switch up or down. This allows a scroll forwards and backwards.

To enter the settings menu, press the rocker switch fully upwards and hold this position for 2 seconds (see next page).

Article: F3x DGA	Version: V1.0	Page: 14
Author: Awron GmbH	Date: 10.03.2014	

F13DGA Key function

To change settings, move the rocker switch to bottom until one has arrived at the desired setting. Move the rocker switch above to confirm or to change the setting.(E.g. switching from km/h to mph).

Move the rocker switch on "Back" to exit the setting menu, and confirm again.

Change options:

- Volume
- Dimming
- German to Englisch
- km/h to mph
- °C / bar to °F / psi

	EINST	ELLUNGEN
	SN: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	FWR: D.42 APL: 2.31
	Lautstärke	
	Display Dimm	nung
- 15	Sprache	Deutsch
-		
	EINSTE	ELLUNGEN
	SN: XXXXXXXXXX	FWR: D.42 APL: 2.31
	Geschw.	km/h
2	Einheiten	°C / bar
3/2	Zurück	
	ECU Id: FFFFFF	

Article: F3x DGA	Version: V1.0	Page: 15
Author: Awron GmbH	Date: 10.03.2014	

F13DGA 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.

In addition conducted an elasticity measurement between 80 km/h and 120 km/h. The time reached at full throttle are indicative of the elasticity of the motor.

The maximum achieved times are stored and displayed at the bottom of the display. As well the reached maximum speed is shown in the upper right area of the screen.

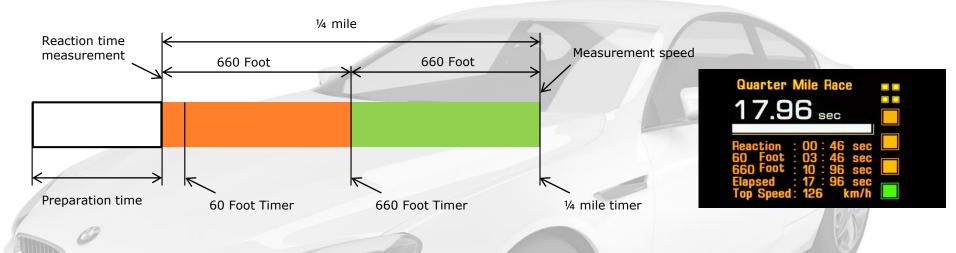
These stored maximum values are automatically replaced by new highs. If an original BMW navigation system is installed, the current GPS-speed is represented in the lower-right corner of the screen.

To clear the peak values, only the option "Memory delete" must be selected in the Setup menu.



Article: F3x DGA	Version: V1.0	Page: 16
Author: Awron GmbH	Date: 10.03.2014	

F13DGA Quarter mile display



The quarter mile display of F1xDGA serves the riders to perform a drag racing with exact measurements. Due to a short preparation time of 10 seconds, the driver can prepare for the race. The traffic light in the right pane indicates the start time. In the light of the last green signal timing begins.

60 Foot timing (18.2 m)

- Measures the time it takes the car to cross the first 60 feet of the track
- Shows you how well the car launches, which affects your elapsed times.

660 Foot timer (201,2 m)

- Measures elapsed time at the halfway point of a quarter – mile track.

1/4 mile timer (402.4 m)

- Measures the time it takes the car to cross the whole 1/4 mile
- Measures the ever reached top speed

Article: F3x DGA	Version: V1.0	Page: 17
Author: Awron GmbH	Date: 10.03.2014	

F13DGA Quarter mile display

Preparation phase

the guarter mile screen can be operated not through additional buttons, but by the speed of the vehicle by the driver.

The preparation time is indicated by the white bars, which gradually disappear. Then follow the traffic light countdown.

> Quarter Mile Race n sec

Traffic lights - countdown

The small yellow upper lights signal the driver that he is just before the start of the race. Within 0.5 seconds the light switches the 3 orange lights one by one, and finally the Green start signal added. When the light turns green, the driver has 3 seconds to start to the race, otherwise the measurement will be canceled.

00.16 sec

Measurement

The stored path is symbolized by a white bar witch current with.

The measured times are shown one after the other, and persisted until the start of the new measurement.





Article: F3x DGA	Version: V1.0	Page: 18
Author: Awron GmbH	Date: 10.03.2014	

F13DGA 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.	* E90DGA V2.0	Update start.		
The software file must only be opened, and the update starts automatically.	BL: 2.00	App: 2.10	SN: XXXXXXXXXX	
MRUIT				

Article: F3x DGA	Version: V1.0	Page: 19
Author: Awron GmbH	Date: 10.03.2014	

/WRON

Display system

Cabel harness

Purchased parts package

F13DGA Purchased parts package

Purchased parts package

- •Display system
- Cable harness incl. USB connection
- 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.

Article: F3x DGA	Version: V1.0	Page: 20
Author: Awron GmbH	Date: 10.03.2014	

/WROT

Technical data

F13DGA Technical data

Display

•OLED display 320 x 240

Cutting point

- CAN Bus 500 KBit
- USB cutting point for Software update

Case

•Plastic, original BMW air grille

Size (length x width x depth)

• 310 mm x 80 mm x 120 mm

Weight

• 300g