

HOW TO CHECK IF FM1000 READS OBD DATA

To check or OBD data is available from FM1000, please do the following:

1. Send to device the command obdinfo.

SMS would be: <login> <password> obdinfo

Response details	Description
LIST of OBD info	Returns OBD info. Protocol, VIN, AdaptiveTiming value, requested PID counter, OBD application state, available vehicle PIDs, mil status, number of DTCs

For example: Protocol:6,VIN:WVWZZZAUZFW125650, TM:0, CNT:11, ST:PROTOCOL DETECTION, P1:0x98180001, P2:0x1, P3:0xE0800020, P4:0x0, Fuel:OFF, MIL:0, DTC:0, ID0

Protocol:6 – specifies car supported protocol

VIN:WVWZZZAUZFW125650 -specifies car vin number

ST:PROTOCOLDETECTION- specifies OBD application state

P1:0x98180001, P2:0x1, P3:0xE0800020, P4:0x0 - specifies available vehicle PIDs. These values specifies available parameters in car. If all pids values 0 (P1:0x0, P2:0x0, P3:0x0, P4:0x0), it means that OBD parameters is not readable.

MIL:0 - mil status, indicates state of the led(0- OFF, 1-ON)

DTC:0 - number of errors

According to obdinfo response you can check available OBD parameters via OBD Pid Reader. OBD reader can be found here: <https://www.glmsoftware.com/Downloads1.aspx>

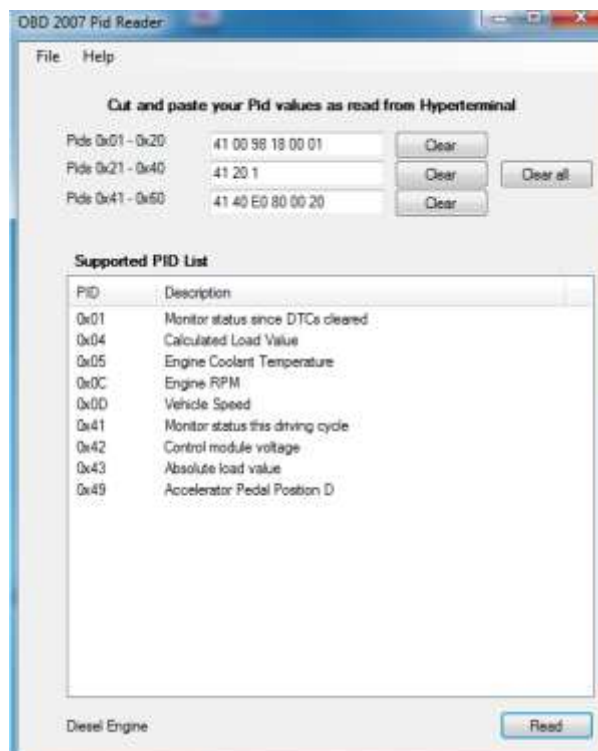


Figure 1 Available OBD parameters via OBD Pid Reader

2. To get OBD data OBD elements must be enabled in device configuration.

OBD data is saved as I/O elements. OBD I/O elements must be enabled using configurator.

In OBD parameters enable “ OBD interface Vehicle VIN Protocol “. Check box “Show All” – enables OBD configuration when FM1000 is not connected to vehicle.

Make sure that all needed OBD I/O elements are enabled. All OBD elements are configured in same logic as other I/O property elements.

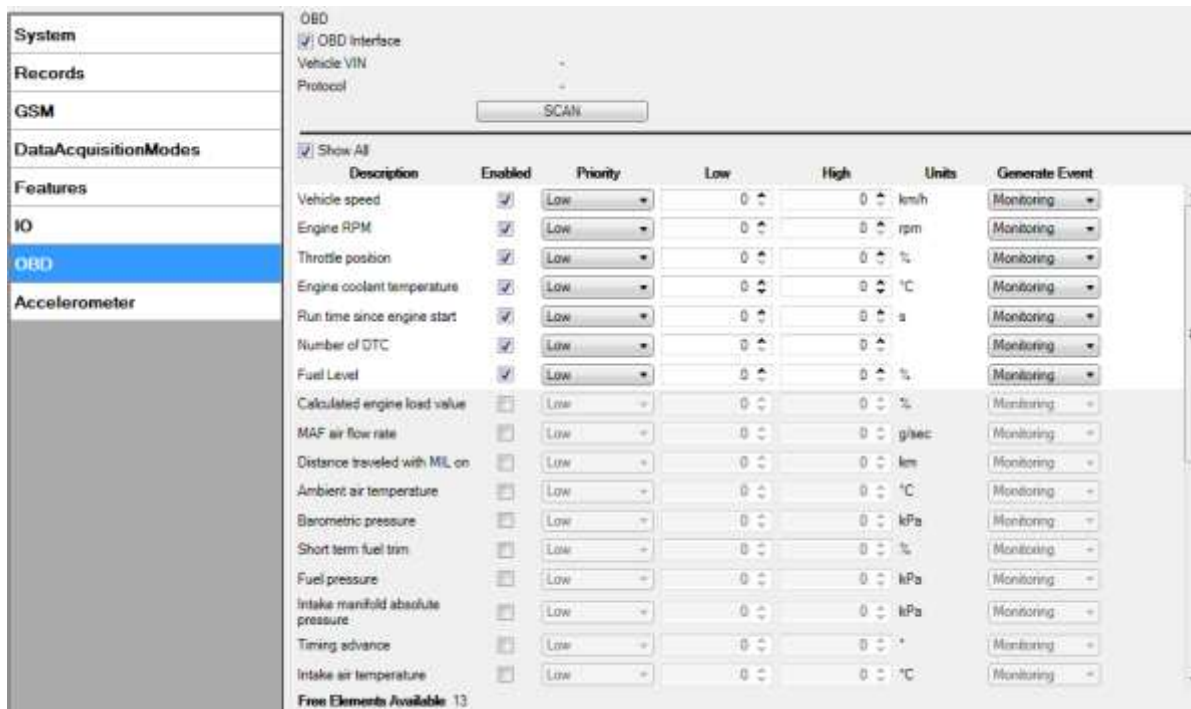


Figure 2 available OBD IO elements on configurator window

3. Make sure that OBD parameters are readable via configurator.

SCAN function allows user to automatically scan for available messages on OBD. FM1000 can scan available OBD messages if ALL of these conditions are met:

- Ignition must be ON.
- Device connected to vehicle through OBD and to PC with USB.
- Check box “Show All” must remain unchecked.

After pressing SCAN only readable parameters will remain in configurator.

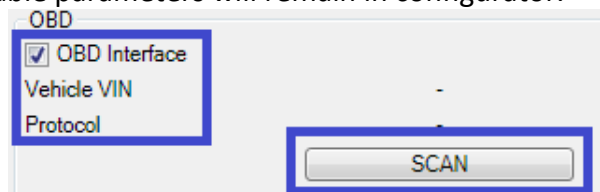


Figure 3 SCAN configuration menu

4. Make a online log of FM1000.

Log to server functionality allows user to log incoming CAN data packets to remote server.

Common online log instructions can be found here:

<http://avl1.teltonika.lt/downloads/debug/FM%20remote%20log%20for%20client%20v0.9.pdf>

5. Let us know the vehicle model, VIN and year of manufacturing.



Note: Available OBD elements depend on vehicle's brand, model and year of manufacturing.

More information on OBD PIDs: http://en.wikipedia.org/wiki/OBD-II_PIDs



Note: If you are unable to deal with the parameters of the OBD, please contact our local sales representative and provide all information (sms response, configuration file, log, vehicle information).