Description of fuel level probe wiring – Technoton Version

(version 1.01)

Tracker: mL300 with fuel level probe





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The "Monitoring Sonda" GPS tracking kit is supplied complete with a fuel level probe and wiring.

The wiring is used to connect the fuel level probe and the mL300-can type GPS tracker. This document describes the supplied wiring.

The image below shows a photo of the plug for the tracker along with the cables that should be connected during installation.



Colour codes:

1. Red – (+) 12 V=
2. Black – ground
3. Purple – (+) after ignition
4. White – output for probe calibration

Description of individual inputs:

1. Power supply – connect to +12V=. If the vehicle has a 24V installation, a 24D12 power supply must be used to reduce the supply voltage to 12V.
2. Ground – connect to the vehicle ground
3. Purple – connect to +12V= or +24V= after ignition. Voltage should be present at this terminal when the vehicle engine is running.
4. White – probe calibration. Description below.

Probe calibration

To calibrate the fuel level probe, connect the entire kit and power it correctly. The probe must be placed in the tank and the entire kit must be powered in the same way it will operate permanently in the vehicle. Now perform the following steps:

1. Empty the fuel tank
2. Connect a voltmeter between the vehicle ground and the white wire of the harness
3. Read the voltage – this will be the reading for an empty tank
4. Pour, for example, 20L of fuel into the tank
5. Read the voltage
6. Record in a table which voltage corresponds to which fuel quantity
7. Repeat these steps until the tank is full
8. After completing calibration, insulate the white calibration wire

Entering data

After calibration, you will have a table with recorded voltages and their corresponding fuel levels. These data must be entered into the system. To do this:

1. Log in to the tracking application
2. Go to the Menu > Sensors > Analogue > Fuel Probe Calibration tab (Menu > Czujniki > Analogowe > Kalibracja Sond paliwa)
3. For “Input 1” (Wejście 1), enter the calibration data in sequence. NOTE: Voltage should be entered in mV/10, which means that a measured voltage of 6V should be entered as 600.

This completes the installation and calibration process.

It is also possible to check the correctness of the installation. To do this, go to the website

http://www.monitoring-gps.net/instalacja.aspx On this page, enter your account name on the server and the serial number of the GPS tracker. Each client receives the account name by email, and the tracker number is located on each device.