

Table 1. BLE Capacitive Fuel Level Sensor Specifications

Name	Value / unit measurements
Measurement error in the working area, no more	1%
Operating modes	digital
Digital mode: - interface - communication protocol	Bluetooth LE (BLE) Escort BLE
Operating range (under normal operating conditions in the absence of interference and obstacles with base work)	10 meters
Life time	over 7 years
Battery	ER14335 LiSOCl2 , 2x1650 mA*ч
Period of data exchange with the base	10 Seconds
Receiver sensitivity / transmitter power	-96 dbm/ 6 dbm
The degree of protection of the shell in accordance with GOST 14254	IP67
Protection against electric shock according to GOST 12.2.007.0	class III.
Terms of Use: - ambient temperature - limiting ambient temperature - Atmosphere pressure	- 40 ... + 50 °C - 60 ... +85 oC 84 ... 106.7 kPa
Overall dimensions, no more	75x75x(L) mm, where L is the length meter in mm
Sensor length	200...6000 mm



Table 2. Wireless Capacitive Level Sensor Base Specifications fuel BLE-BASE

Name	Value / unit measurements
Operating modes	digital
Digital mode: - tracker interface - communication protocol - data exchange rate - interface with the meter	RS-485 LLS 19200 bps Bluetooth LE (BLE)
Output signal range: - digital signal	0 ... 4095 units or 0 ... 1023 units
Operating range (under normal conditions operation in the absence of interference and obstacles when working with the meter)	10 meters
Period of communication with the meter	10 Seconds
Receiver sensitivity / transmitter power	-96 dbm/ 6 dbm
The degree of protection of the shell in accordance with GOST 14254	IP67
Protection against electric shock according to GOST 12.2.007.0	class III
Terms of Use: - ambient temperature - limit - Atmosphere pressure	- 40 ... + 50 °C - 60 ... +85 oC 84 ... 106.7 kPa
Overall dimensions, no more	56x23x10 mm
Weight, no more	0.1 kg

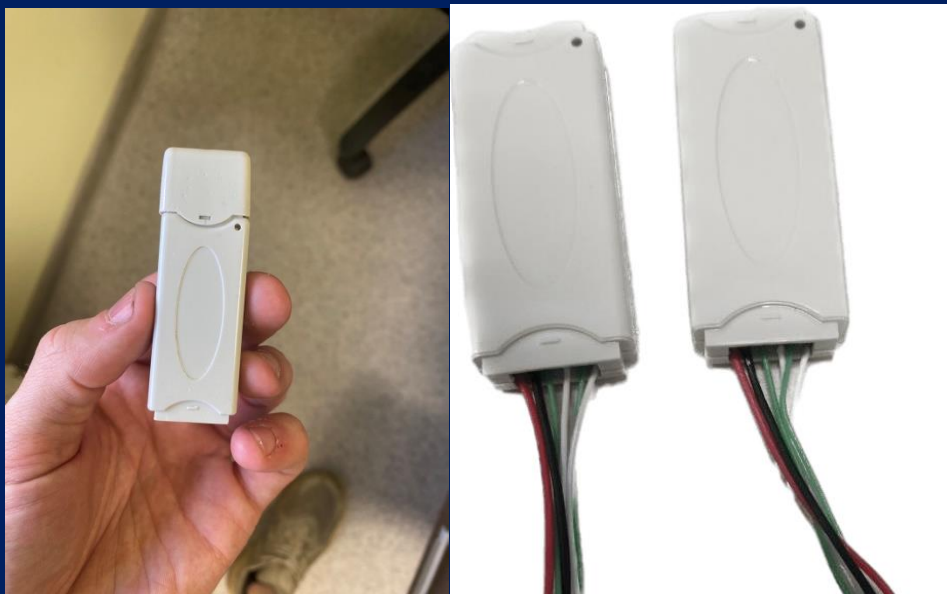


Table 3. An example of setting up a BLE fuel level sensor through a mobile application.

1

2

3

4

11:47 4G 17%

RFL

Escort emulation

escort_id 123456

Calibration

Frequency with empty FLS	4901	<input type="button" value="CHANGE"/>
Frequency at full FLS	3212	<input type="button" value="CHANGE"/>
Indications for empty DUT	0	<input type="button" value="CHANGE"/>
Indications for full FLS	1023	<input type="button" value="CHANGE"/>

11:47 4G 17%

RFL

Escort emulation

Data averaging
0 - do not average

0

Choice of averaging algorithm
0 - running average;
1 - median filtering

Temperature coefficient
0 - do not perform thermal compensation

0

Temperature compensation algorithm
No compensation

Disabling Delay
Temporary disable delay (seconds)

0