FUEL LEVEL SENSORS
MINI

SETTING UP AND CONFIGURING FUEL LEVEL SENSORS

MINI

RS 232/485

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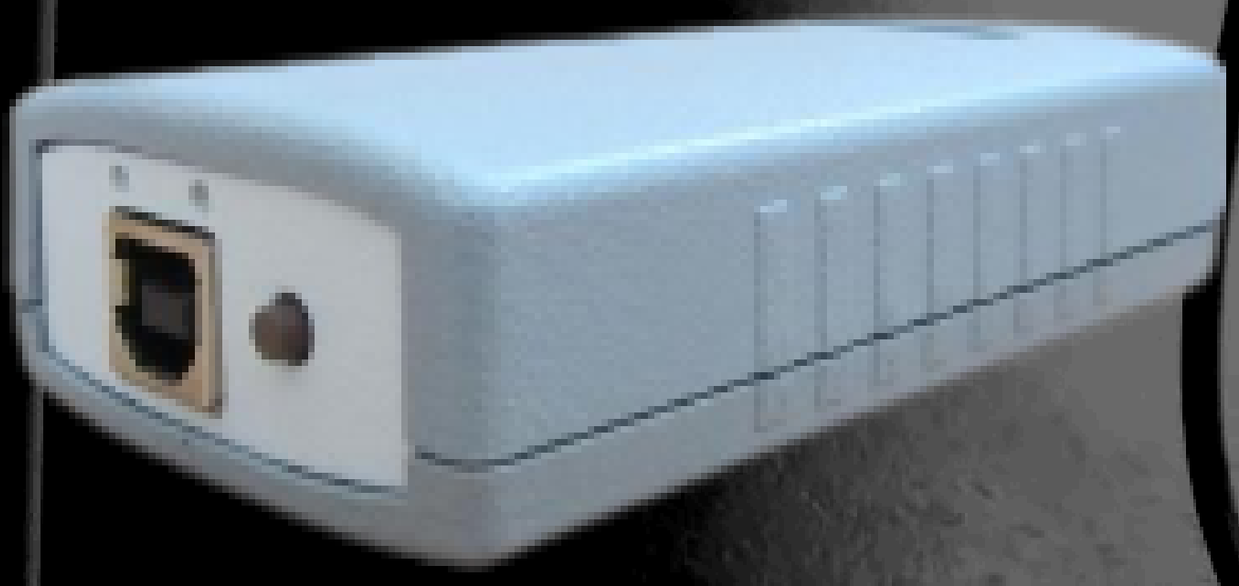
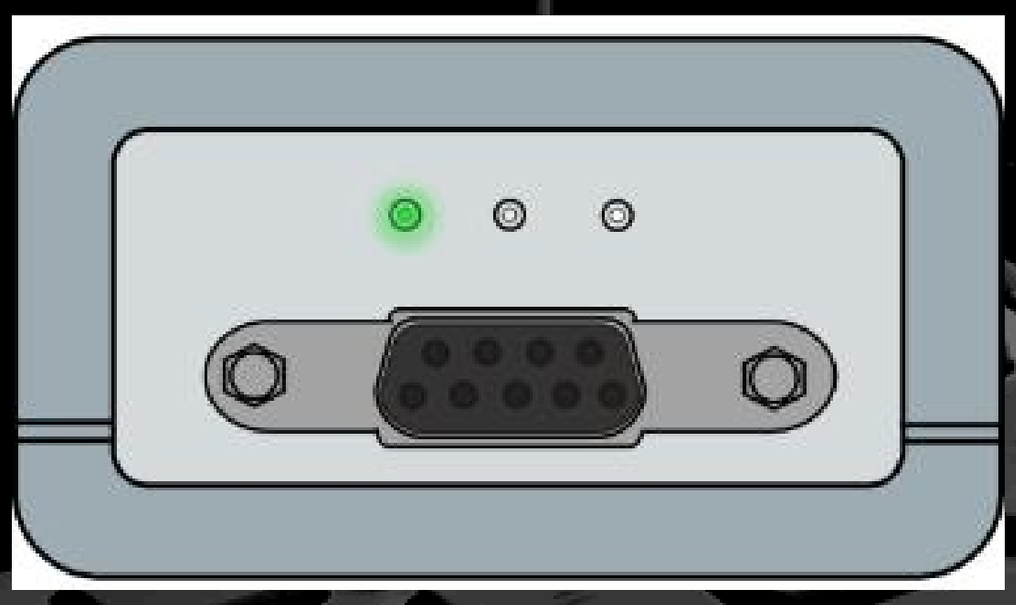
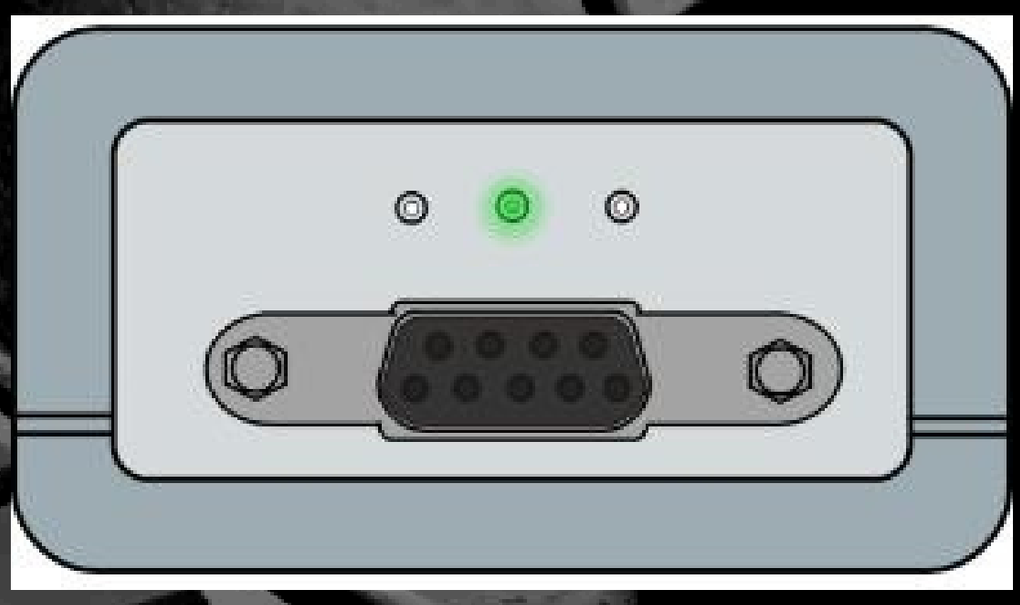
Download archive with DUTConfig program.
Download the latest virtual COM port drivers according to your OS version.
Connect the sensor to a PC via an adapter via the RS485/RS232 interface.







RS232 mode

RS485 mode

Select the RS232/RS485 operating mode on the adapter.

Attention: the color of the wires on the cable.
Blue +
Brown -
Yellow RX (A)
Black TX (B)

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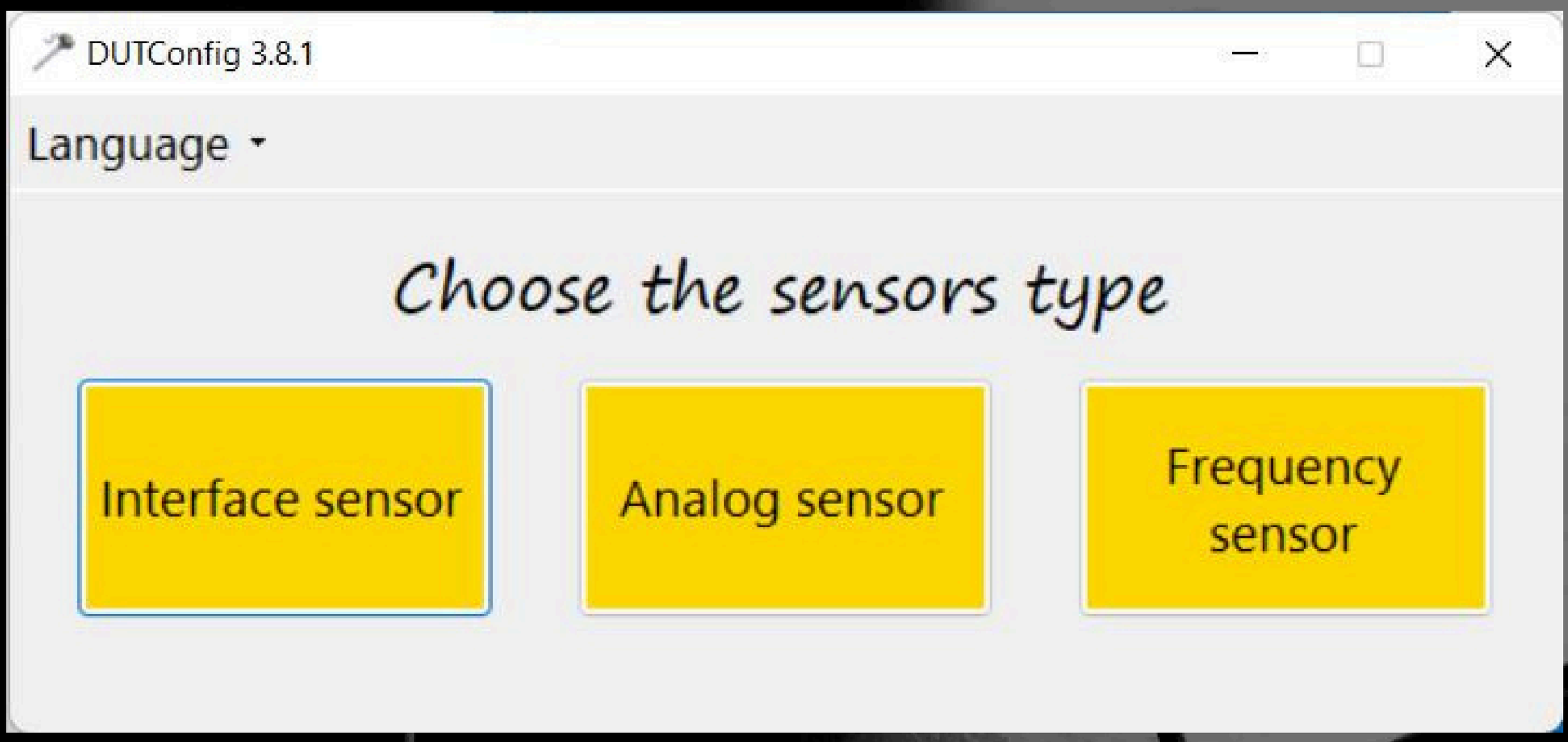
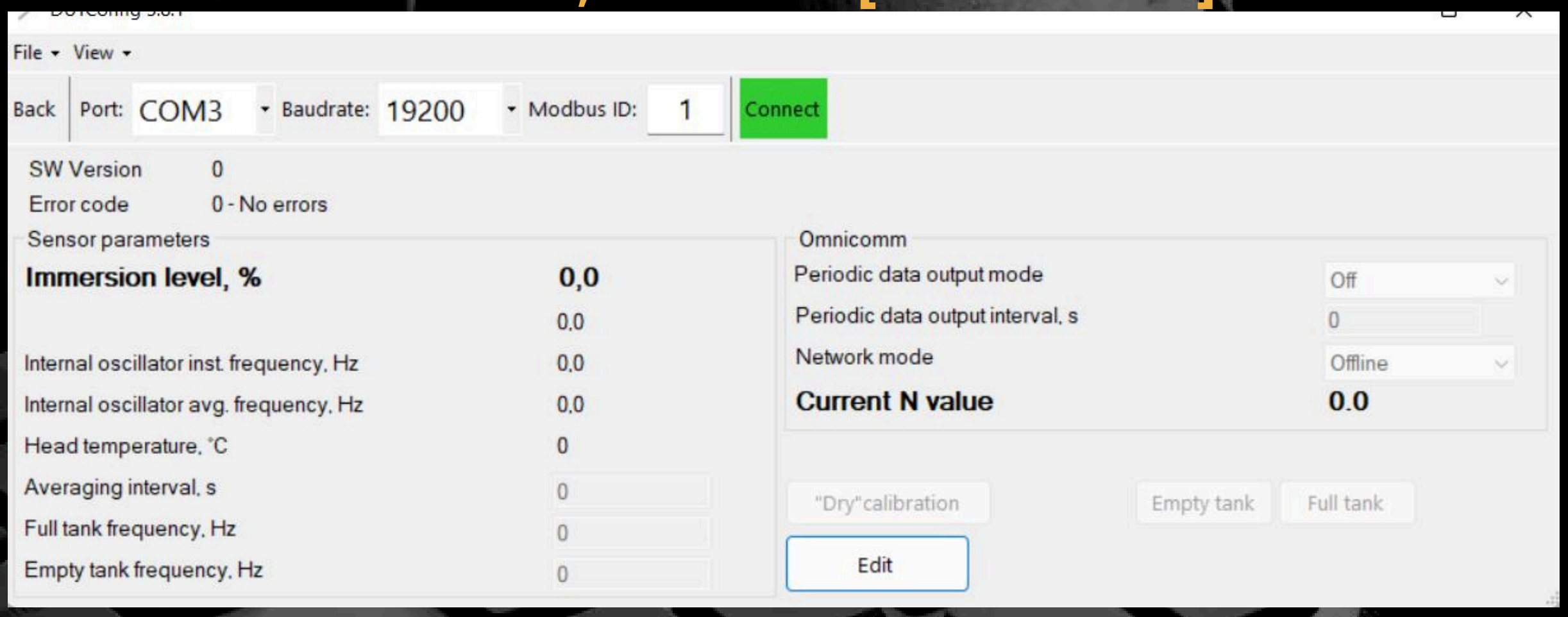
Select the sensor type in DUTConfig software: Interface



Select Port, Press [Connect] button



ATTENTION!!! Before calibrating the sensor, it is necessary to cut the sensor 2-4 cm shorter than the tank height, make sure that Thermal compensation is disabled, Averaging interval is 0. And also set the Maximum value N 1023 ... 4095 (recommended 4095).

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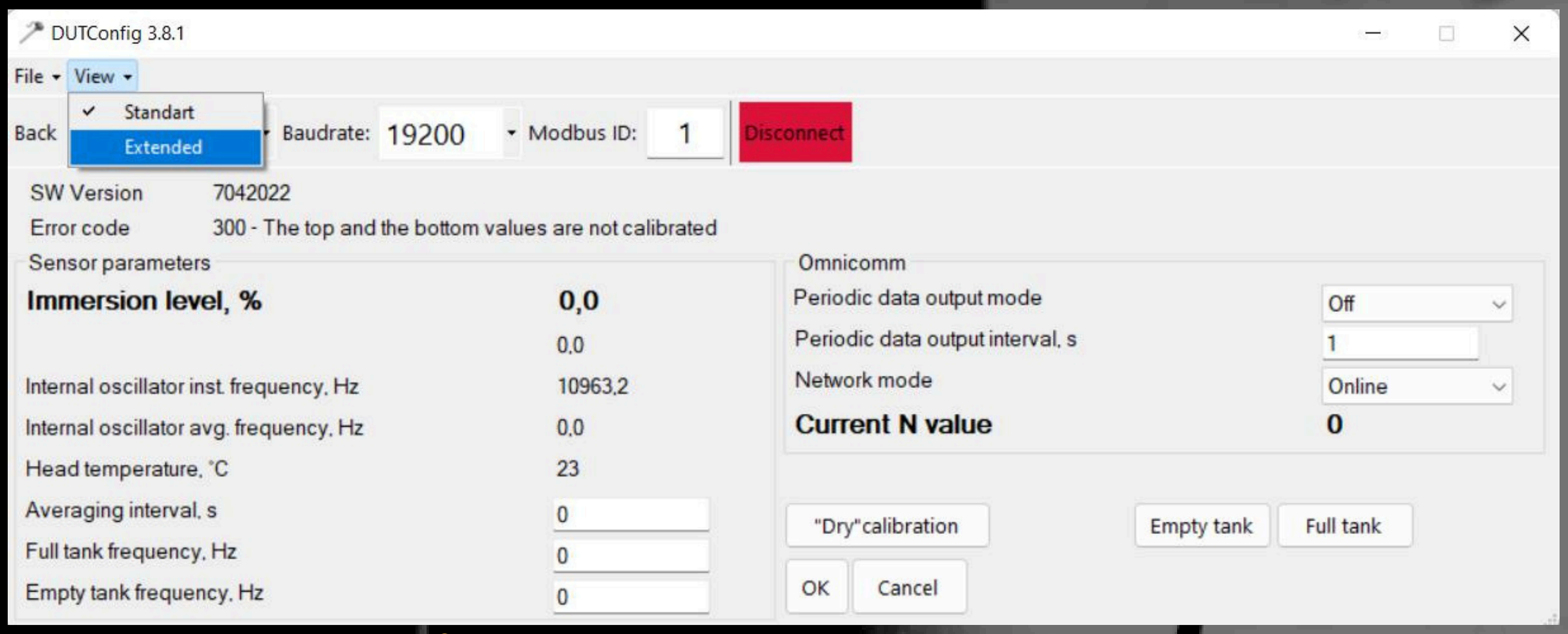
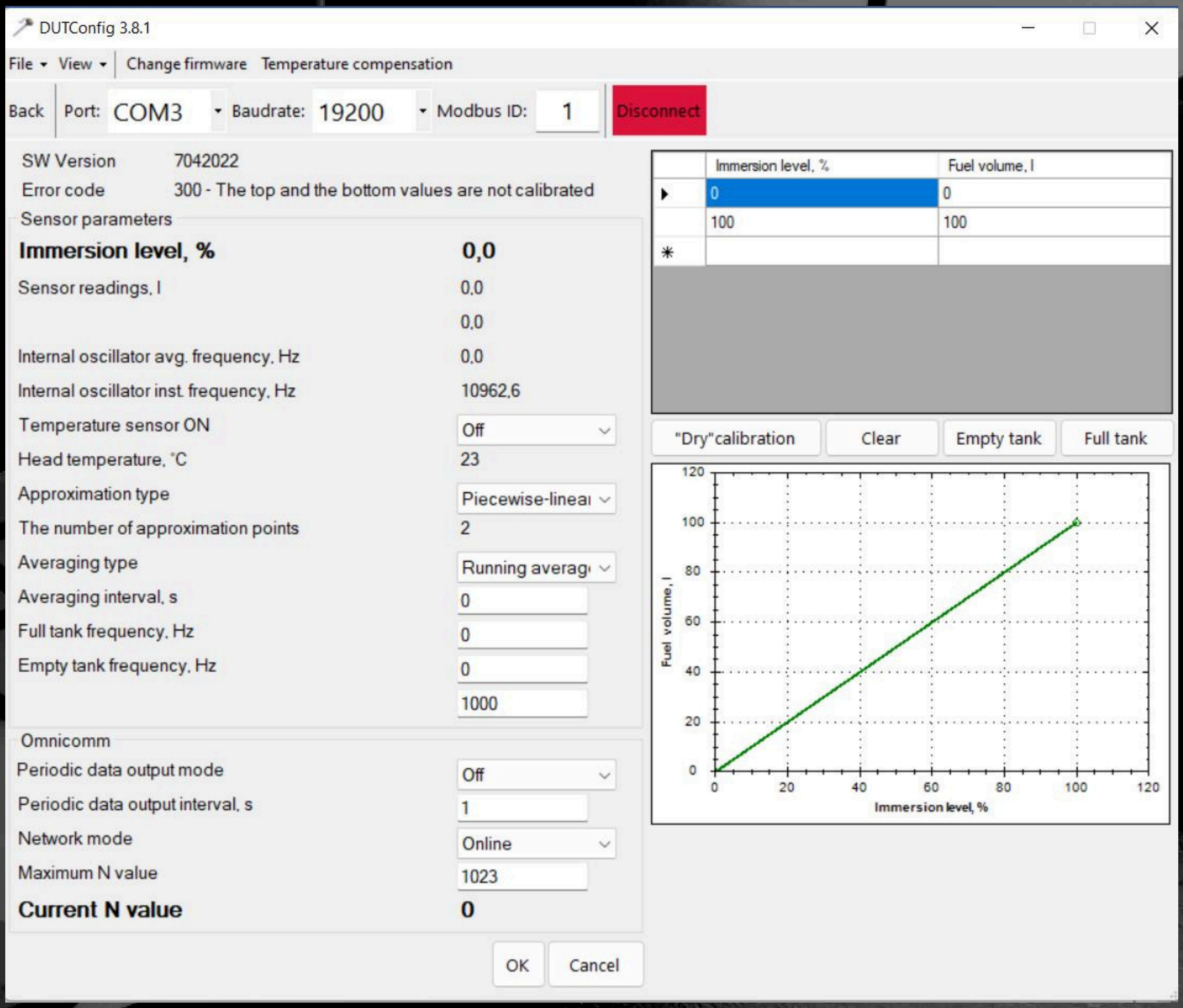


To do this, select the menu Mode → Advanced in the main program window.



Press the [Set] button - Set the desired values - Press the [OK] button.

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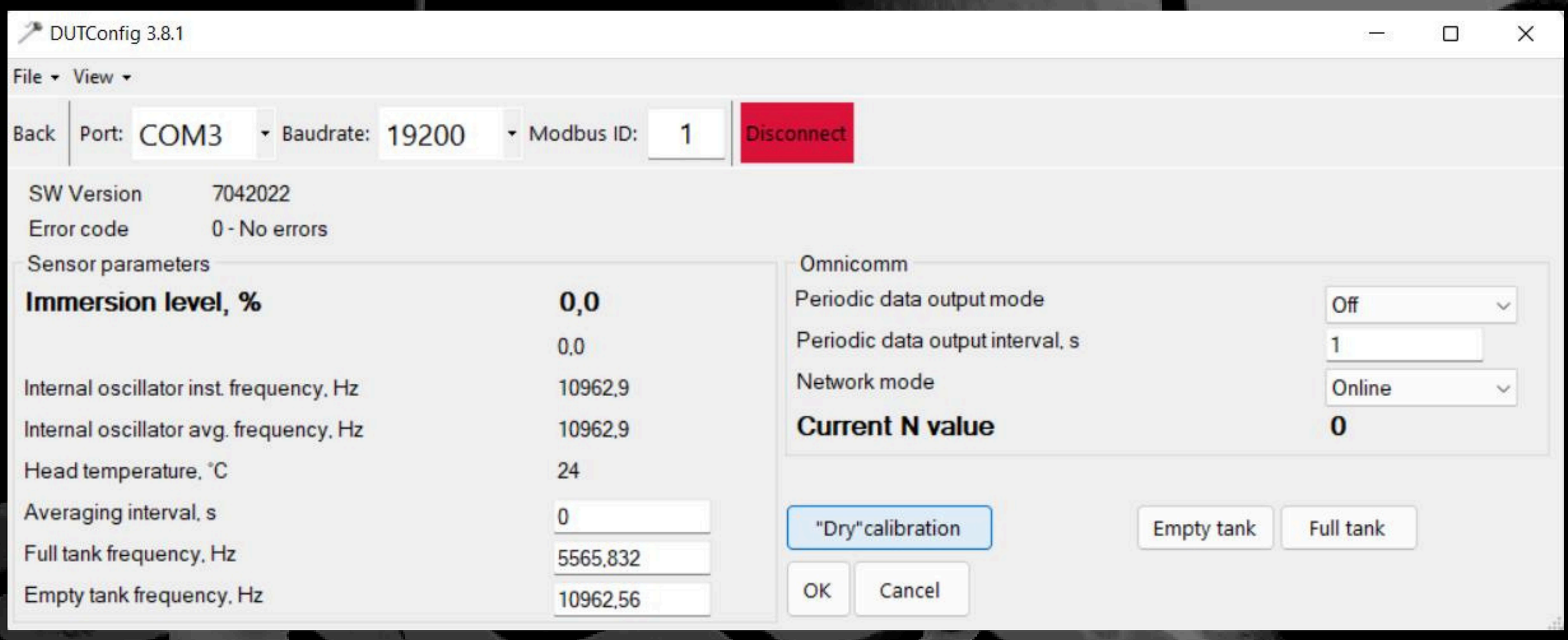
FLS calibration

Dry Calibration Method

1. Click the [Configure] button in the DutConfig software.
2. Press the Dry Calibration button
3. Press the [OK] button.



4. The values for an empty and full tank will automatically fit into the required lines.

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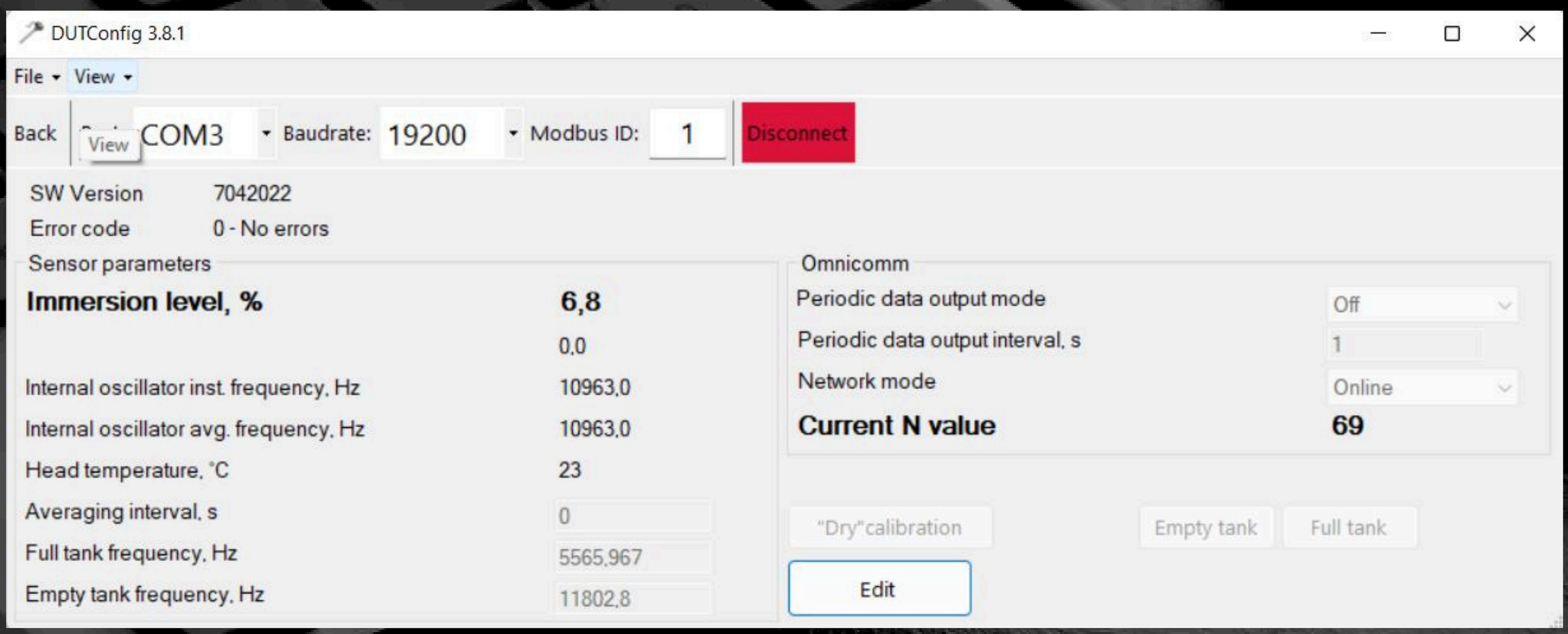
Tank calibration

Before calibration it is necessary to completely drain the fuel from the tank. Install the sensor on the tank using the mounting kit. Pour the first few portions of fuel into 5-10 liters. You can then increase the portion size. We fix the Current value of N, which corresponds to the amount of fuel in the tank. Write the compiled table of values into the terminal software.



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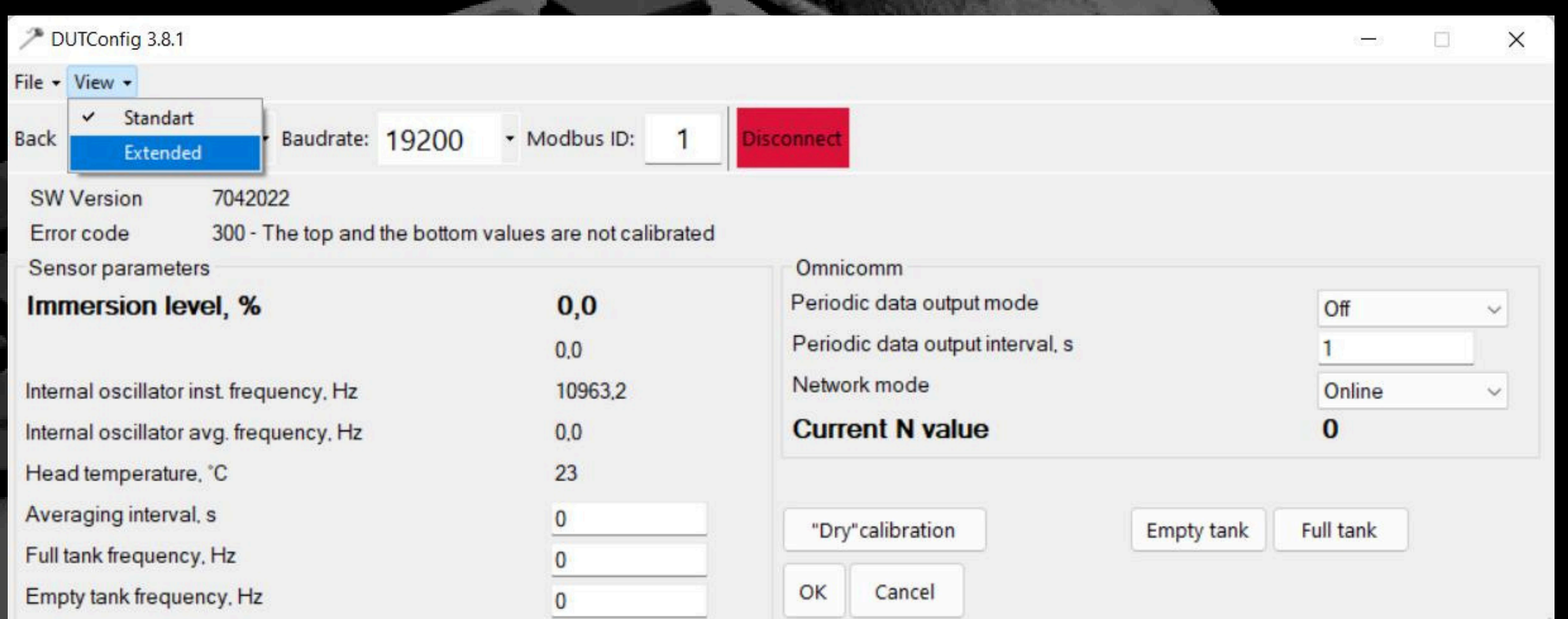
After the end of calibration, set the Averaging Interval 30-90 seconds (Individually).
Recommended for wheeled tractors - 30-40 seconds,
tractors and agricultural equipment - 70 seconds,
for equipment with a complex shape of the tank - 90 seconds.



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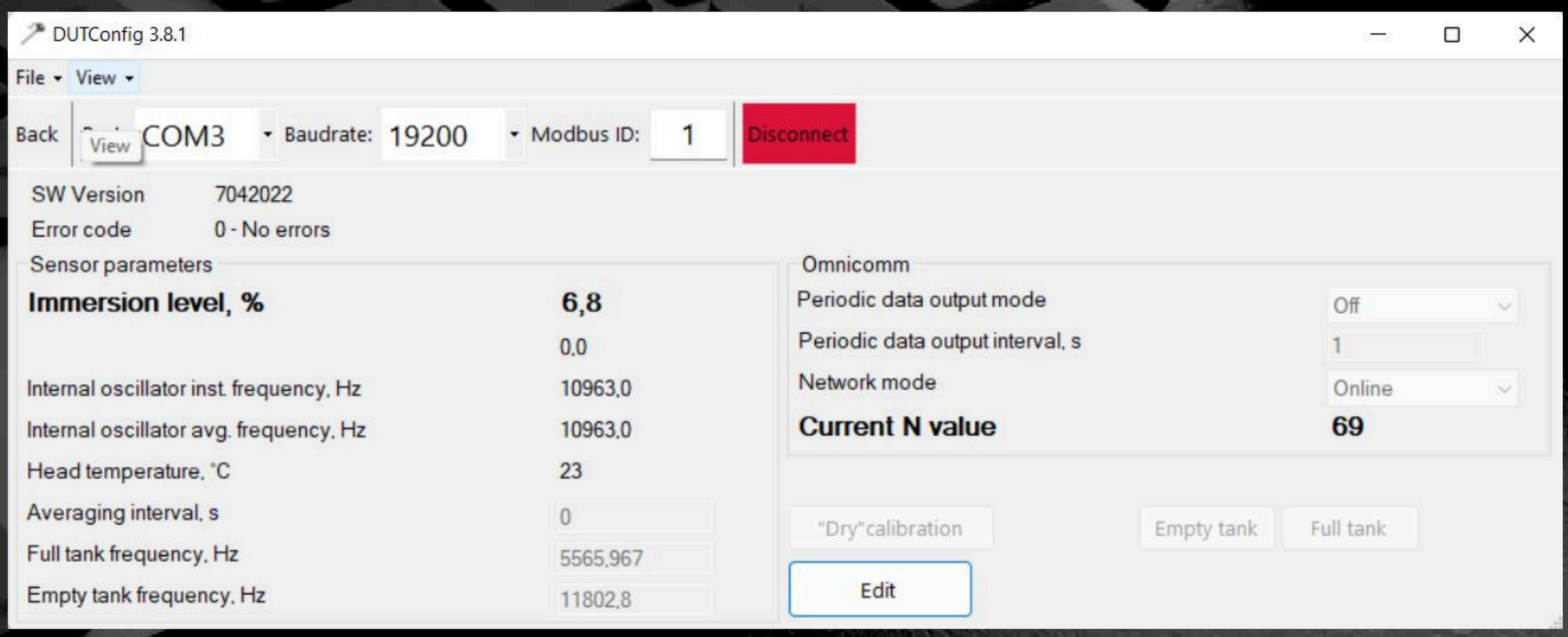
Connecting 2 or more FLS to the terminal (only for RS485)

To connect two or more FLS to the terminal, it is necessary to set an individual ID (1-255) for each FLS, set the Network operation mode.

1. Press the [Setup] button;
2. Specify a new ID;
3. Set the Network operation mode - Network;
4. Press the [OK] button in the main program window.



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FUEL CONTROL

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