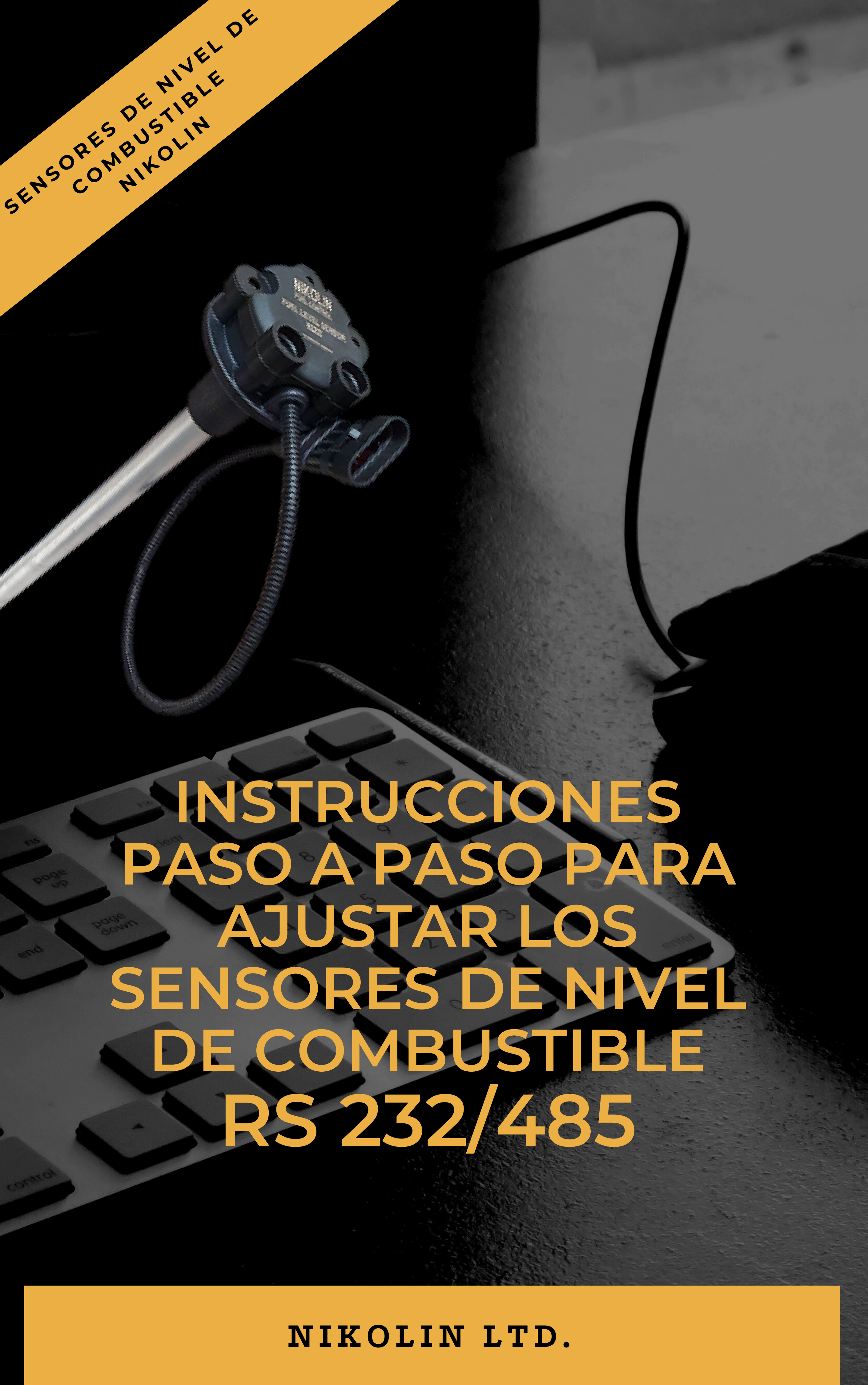
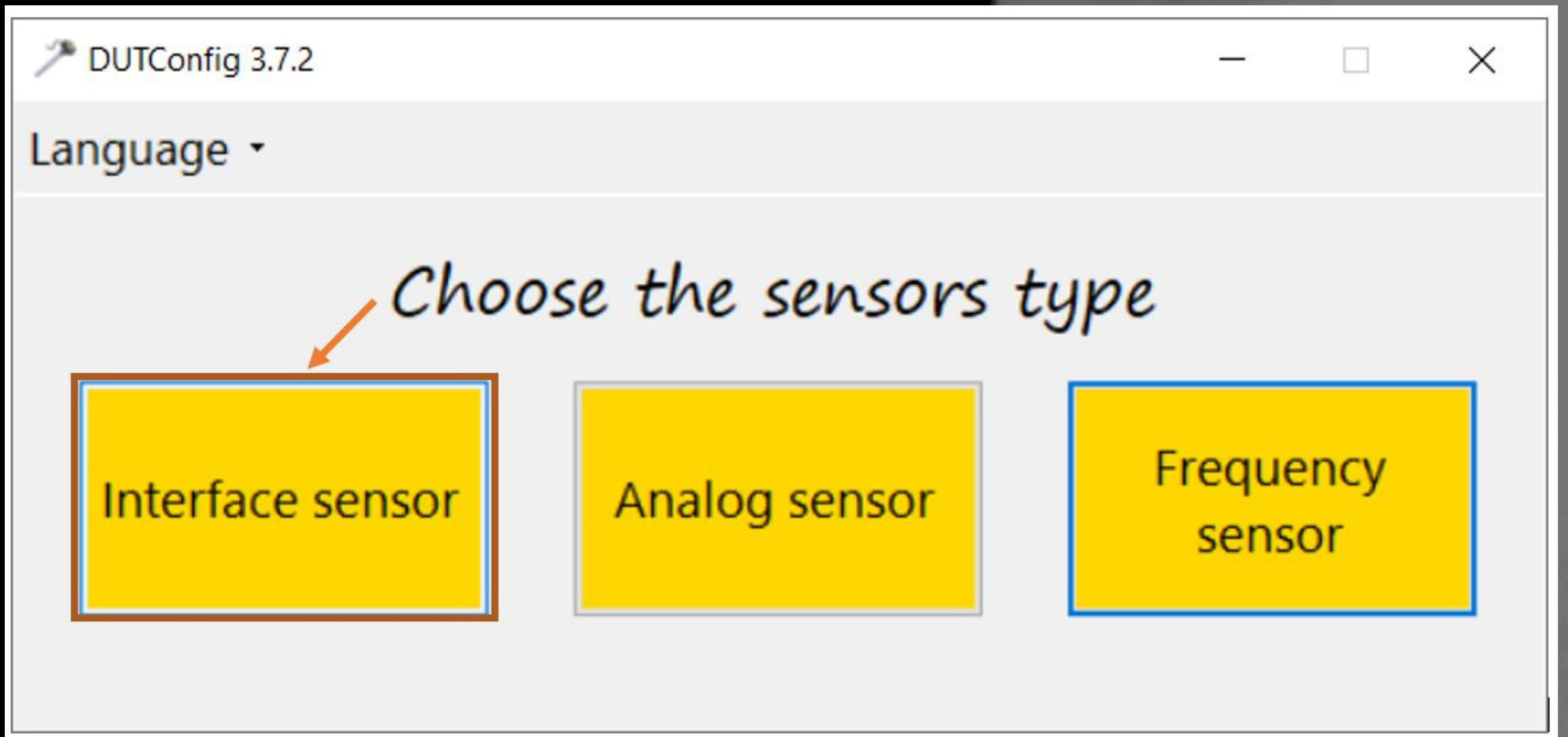


**SENSORES DE NIVEL DE
COMBUSTIBLE
NIKOLIN**



**INSTRUCCIONES
PASO A PASO PARA
AJUSTAR LOS
SENSORES DE NIVEL
DE COMBUSTIBLE
RS 232/485**

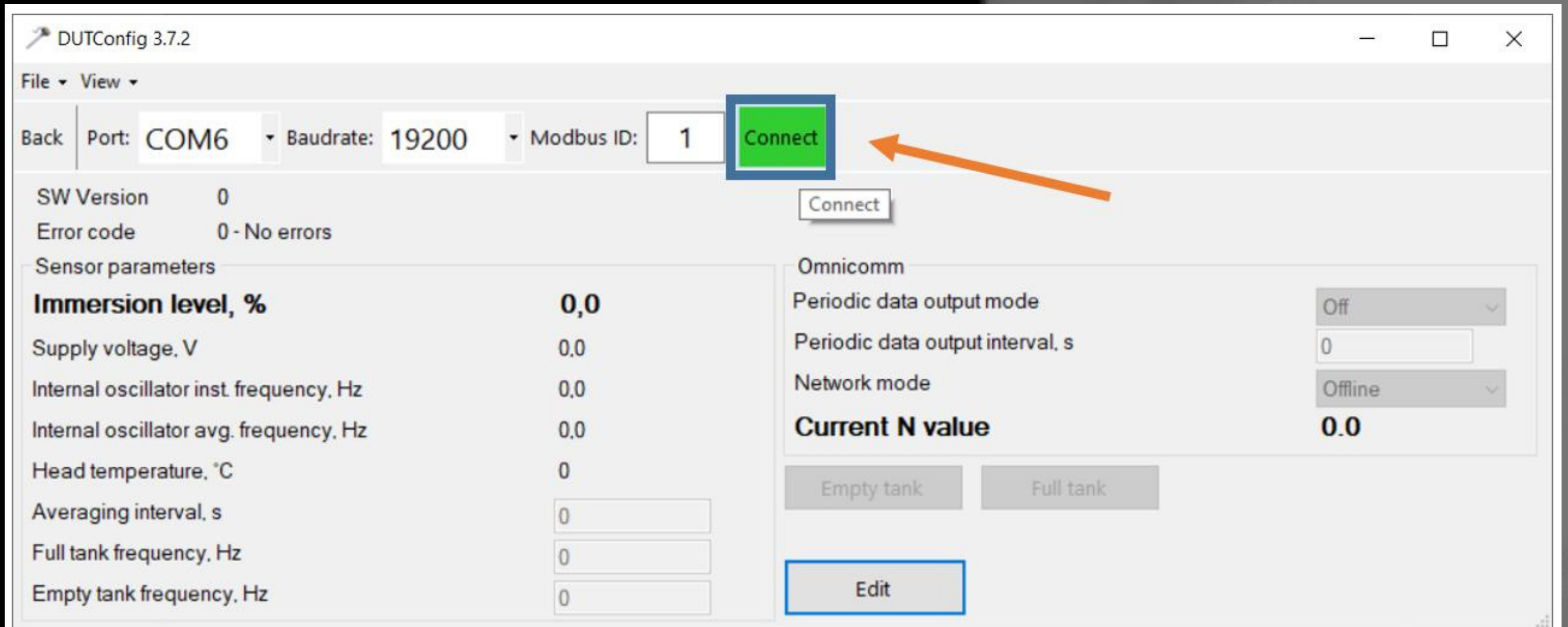
NIKOLIN LTD.



1. Inicie el programa DUTConfig 3.7.2 (descárguelo de nuestro sitio web nikolin.spb.ru/skachat/). Si los controladores no están instalados en su computadora portátil, puede descargarlos de la misma manera.

Seleccionar idioma y seleccionar "sensor de interfaz".

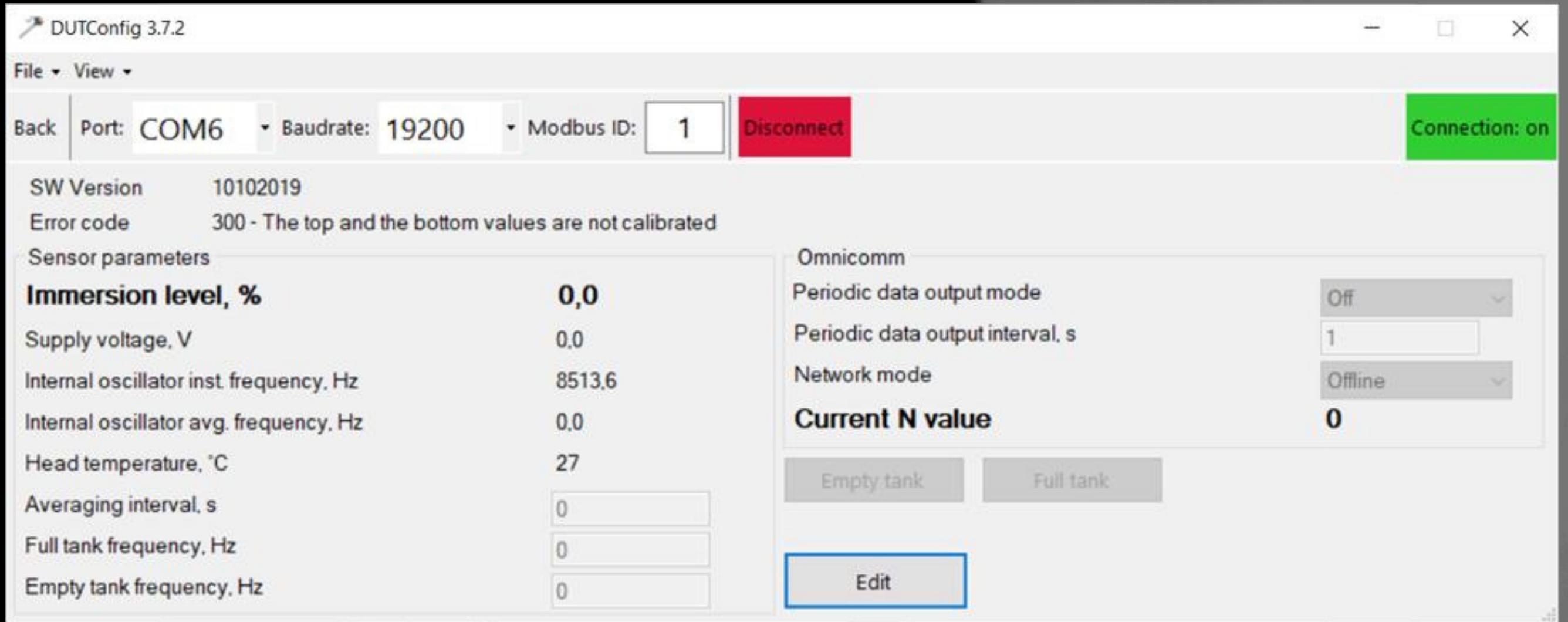
Atención: el color del cables en el sensor
Azul +
Marrón -
Amarillo RX (A)
TX negro (B)



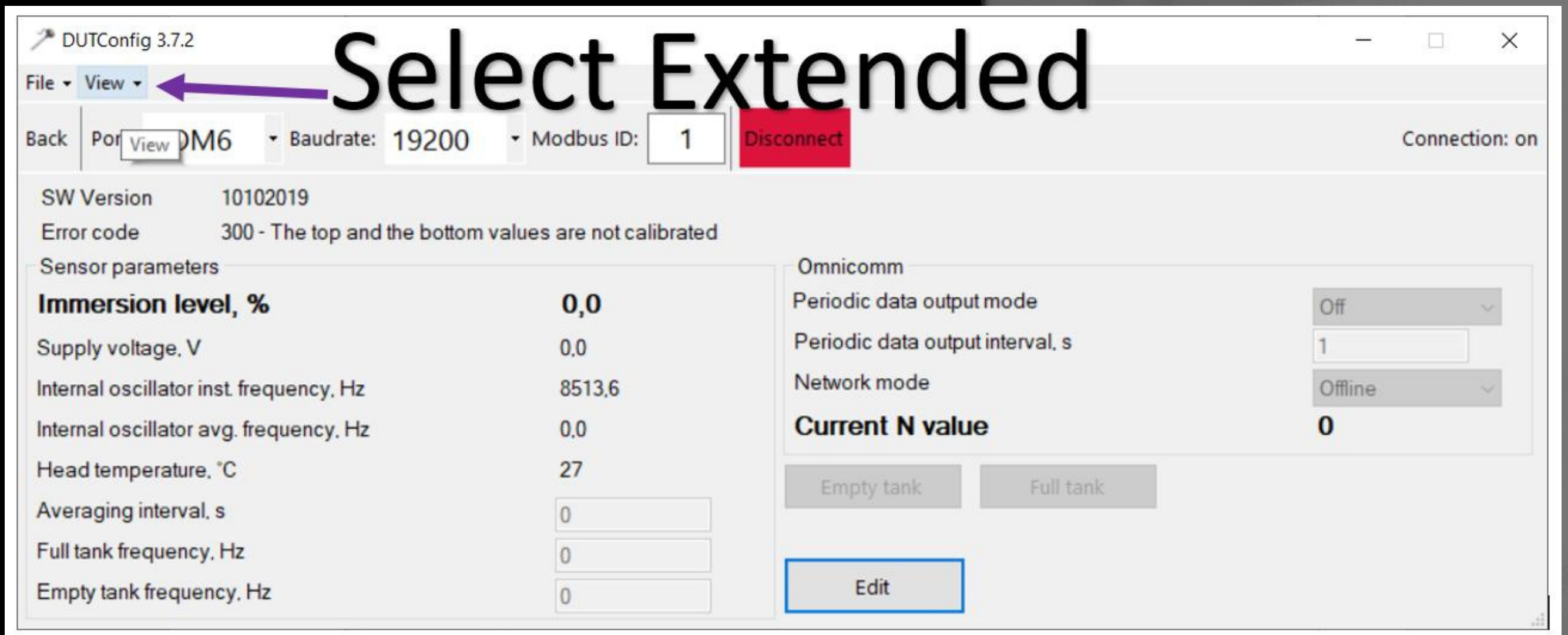
2. Utilice el botón en la parte posterior del adaptador USB para elegir el modo de trabajo. RS232 o RS485
La lámpara verde brillante indicará la interfaz que seleccionó.



Haga clic en el botón "Conectar".



3. Se realizará la conexión al sensor. En la esquina superior derecha, "Conexión: activada" se iluminará en verde.



4. Seleccione el modo de funcionamiento ampliado.

DUTConfig 3.7.2

File View Change firmware Thermocompensation

Back Port: COM6 Baudrate: 19200 Modbus ID: 1 Disconnect Connection: on

SW Version 10102019
 Error code 300 - The top and the bottom values are not calibrated

Sensor parameters

Immersion level, % 0,0

Sensor readings, l 0.0
 Supply voltage, V 0.0
 Internal oscillator avg. frequency, Hz 0.0
 Internal oscillator inst. frequency, Hz 8513.6

Temperature sensor ON Off
 Head temperature, °C 27

Approximation type Piecewise-linear
 The number of approximation points 2

Averaging type Running average
 Averaging interval, s 0
 Full tank frequency, Hz 0
 Empty tank frequency, Hz 0
 Output frequency range, Hz 1000

Omnicom

Periodic data output mode Off
 Periodic data output interval, s 1
 Network mode Offline
 Maximum N value 1023
Current N value 0

| | Immersion level, % | Fuel volume, l |
|---|--------------------|----------------|
| ▶ | 0 | 0 |
| | 100 | 100 |
| * | | |

Clear Empty tank Full tank

120
100
80
60
40
20
0

0 20 40 60 80 100 120

Fuel volume, l

Immersion level, %

Edit

5. El configurador entrará en el modo de configuración avanzada.

DUTConfig 3.7.2

File View Change firmware Thermocompensation

Back Port: COM6 Baudrate: 19200 Modbus ID: 1 Disconnect Connection: on

SW Version 10102019
Error code 300 - The top and the bottom values are not calibrated

Sensor parameters

Immersion level, % 0,0

Sensor readings, l 0,0

Supply voltage, V 0,0

Internal oscillator avg. frequency, Hz 0,0

Internal oscillator inst. frequency, Hz 8513,6

Temperature sensor ON Off

Head temperature, °C 28

Approximation type Piecewise-linear

The number of approximation points 2

Averaging type Running average

Averaging interval, s 0

Full tank frequency, Hz 0

Empty tank frequency, Hz 0

Output frequency range, Hz 1000

Omnicom

Periodic data output mode Off

Periodic data output interval, s 1

Network mode Offline

Maximum N value 1023

Current N value 0

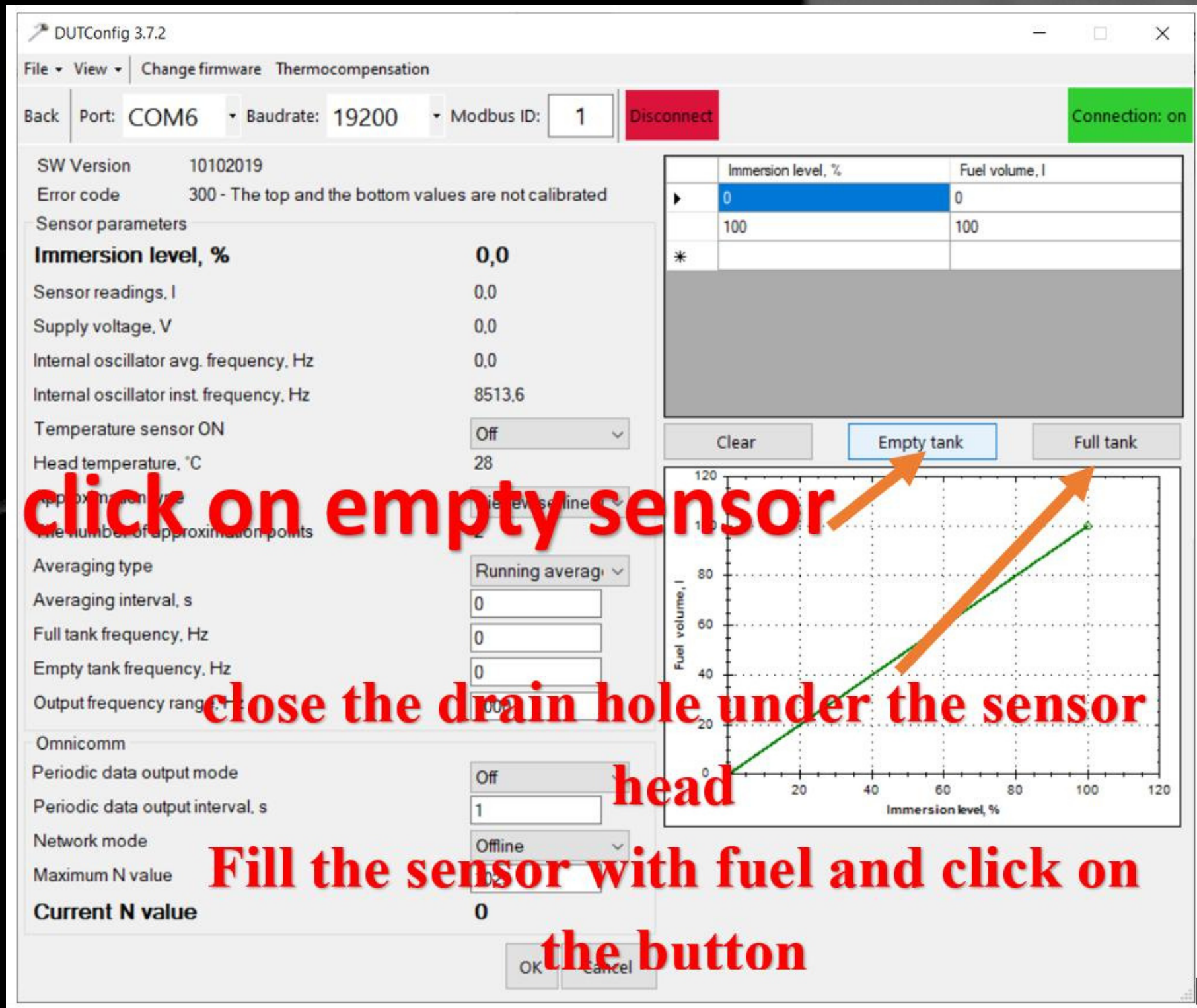
| Immersion level, % | Fuel volume, l |
|--------------------|----------------|
| 0 | 0 |
| 100 | 100 |
| * | |

Clear Empty tank Full tank

The graph displays a linear relationship between Immersion level (%) on the x-axis and Fuel volume (l) on the y-axis. Both axes range from 0 to 120. A green line starts at the origin (0,0) and extends to the point (100,100), indicating a 1:1 ratio between immersion level and fuel volume.

Edit

6. Presione el botón de configuración.

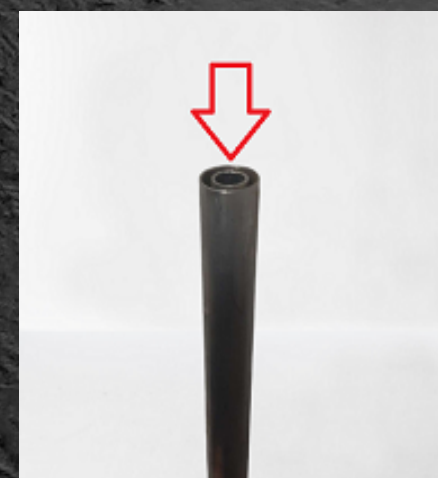


7. Método 1. Presione el botón "tanque vacío".

Sumerja completamente el sensor en combustible. Y manteniendo en esta posición Luego presione el botón "tanque lleno". (Puede utilizar un recipiente medidor para esto, por ejemplo)

Método 2. Presione el botón "tanque vacío".
Llene el sensor con combustible (dé la vuelta al sensor después de cerrar el orificio de drenaje).

Luego presione el botón "tanque lleno".



The screenshot shows the DUTConfig 3.7.2 software interface. The top menu bar includes 'File', 'View', 'Change firmware', and 'Thermocompensation'. Below the menu, connection settings are displayed: 'Port: COM6', 'Baudrate: 19200', and 'Modbus ID: 1'. A red 'Disconnect' button is visible. The main area is divided into sections: 'SW Version 10102019', 'Error code 300 - The top and the bottom values are not calibrated', and 'Sensor parameters'. The 'Sensor parameters' section includes: 'Immersion level, %' (0,0), 'Sensor readings, l' (0,0), 'Supply voltage, V' (0,0), 'Internal oscillator avg. frequency, Hz' (0,0), 'Internal oscillator inst. frequency, Hz' (8513,6), 'Temperature sensor ON' (On), 'Head temperature, °C' (28), 'Approximation type' (Piecewise-linear), 'The number of approximation points' (2), 'Averaging type' (Running average), 'Averaging interval, s' (30), 'Full tank frequency, Hz' (3980,121), 'Empty tank frequency, Hz' (8513,626), and 'Output frequency range, Hz' (1000). The 'Omnicom' section includes: 'Periodic data output mode' (Off), 'Periodic data output interval, s' (1), 'Network mode' (Offline), 'Maximum N value' (3000), and 'Current N value' (0). A table on the right shows 'Immersion level, %' and 'Fuel volume, l' with values 0 and 100. Below the table are buttons for 'Clear', 'Empty tank', and 'Full tank'. A graph on the right plots 'Fuel volume, l' against 'Immersion level, %' with a green line connecting (0,0) and (100,100). A large text overlay 'set such parameters' is centered over the interface. A green box highlights the 'OK' button, with a green arrow pointing to it and the word 'finish' in green text. Orange arrows point to the 'On' dropdown, 'Piecewise-linear' dropdown, 'Running average' dropdown, '30' input field, and '3000' input field. The text '1000 or 3000' is written in black over the 'Maximum N value' field.

set such parameters

1000 or 3000

finish

8. Establezca los valores resaltados por flechas. Presione el botón "Aceptar" para guardar.

DUTConfig 3.7.2

File View Change firmware Thermocompensation

Back Port: COM6 Baudrate: 19200 Modbus ID: 1 Connect

SW Version 10102019
 Error code 300 - The top and the bottom values are not calibrated

Sensor parameters

Immersion level, % 0,0

Sensor readings, l 0.0
 Supply voltage, V 0.0
 Internal oscillator avg. frequency, Hz 0.0
 Internal oscillator inst. frequency, Hz 8513,6

Temperature sensor ON On
 Head temperature, °C 28

Approximation type Piecewise-linear
 The number of approximation points 2

Averaging type Running average
 Averaging interval, s 30
 Full tank frequency, Hz 3980,121
 Empty tank frequency, Hz 8513,626
 Output frequency range, Hz 1000

Omnicom

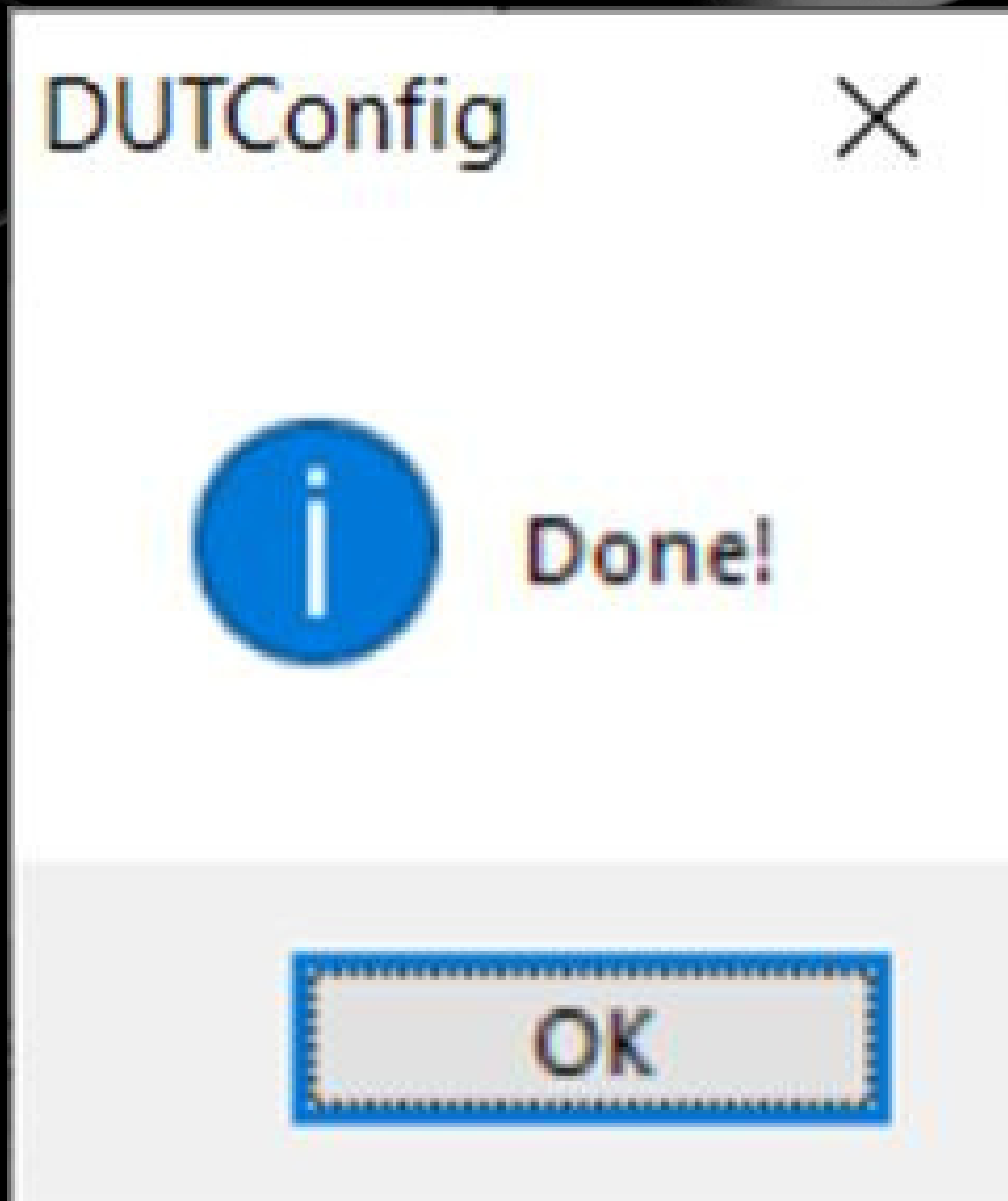
Periodic data output mode Off
 Periodic data output interval, s 1
 Network mode Offline
 Maximum N value 3000
Current N value 0

| | Immersion level, % | Fuel volume, l |
|---|--------------------|----------------|
| ▶ | 0 | 0 |
| | 100 | 100 |
| * | | |

Clear Empty tank Full tank

Edit

9. El sensor está configurado y listo para calibrar el tanque.



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