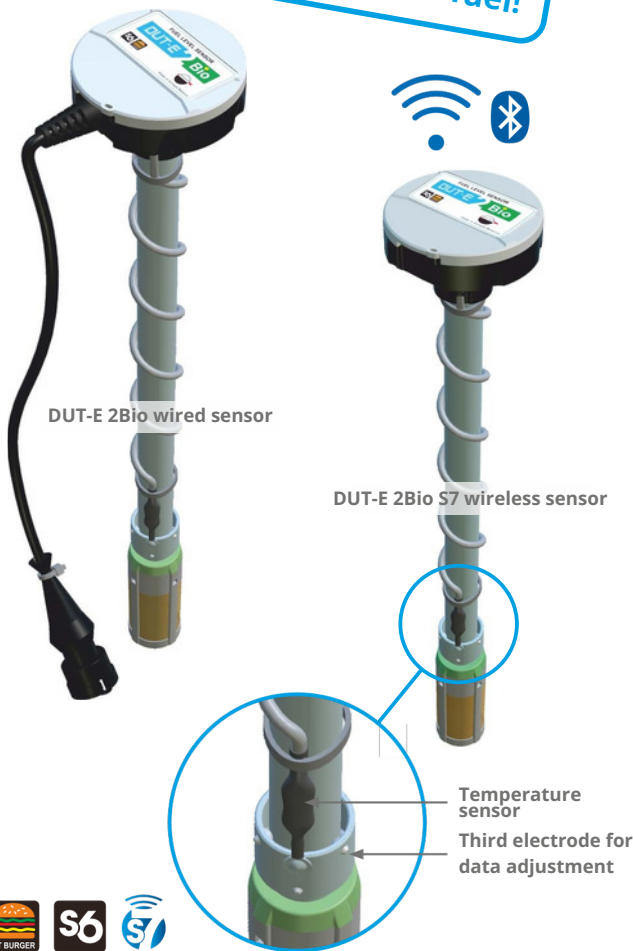


Same accuracy for all types of fuel!



Automatic adjustment function in **DUT-E 2Bio** sensor ensures maximum accuracy in fuel level measurement, regardless of the fuel type in the tank.

Switching between fuel types or refueling from various sources does not affect measurement precision.

## Features

- No re-calibration is needed when switching fuel types.
- Detection of fuel type change.
- Digital self-diagnostics function for data reliability control.
- Adjustable signal filtration minimizes data leaps from fuel vibration.
- Screen-filter protects against mud and water from bottom of tank.
- Probe length can be cut or increased.
- Fuel temperature is measured by sensor immersed in fuel.

## Benefits of adjustment when changing fuel types

Different types of fuel (gasoline, summer/winter diesel, biofuels) have varying permittivity values.

Accurate fuel level measurement during a fuel type switch requires tank re-calibration.

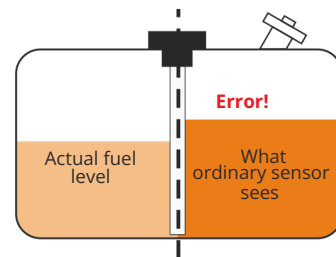
## Models, output signal

DUT-E 2Bio CAN	CAN j1939/S6 interface
DUT-E 2Bio 232	RS-232 interface, Modbus RTU
DUT-E 2Bio 485	RS-485 interface, Modbus RTU
DUT-E 2Bio AF	Voltage 1..9 V / frequency 500..1500 Hz
DUT-E 2Bio I	current 4..20 mA
DUT-E 2Bio S7	Bluetooth 5.2/S7 wireless interface

## Technical specifications

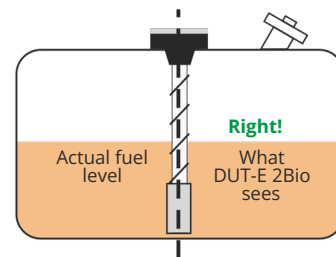
Operation principle	capacitive
Measurement inaccuracy	± 0,1 mm
Supply voltage	10 .. 45 V, protection up 100 V
Operation temperature	-40 .. +85 °C
Built-in battery life (S7 model)	at least 5 years
Increasing sensor length	up to 6000 mm

### Ordinary capacitive sensors



When switching between fuel types, the sensor displays an overestimated or underestimated fuel level.

### DUT-E 2Bio fuel level sensor with third electrode



During a fuel type switch, **DUT-E 2Bio** sensor adjusts the data to display the **actual fuel level** in the tank.