


**TECHNOTON**

ADVANCED FUEL TELEMATICS

# DUT-E fuel level sensor

Fuel level sensor DUT-E is designed for **precise fuel level measurement** in tanks of vehicles, trucks, tractors, road-building machinery, fixed installations.

DUT-E is used as an additional sensor within AVL, FMS or vehicle tracking systems or as a standard fuel level sensor.

DUT-E is mounted instead of a standard fuel level sensor or into a special opening in vehicle fuel tank.



Smart sensor for fuel telematics

**S6**  
COMPLIANT

DUT-E A5: analog output (voltage range 1.5–4.5 V);  
 DUT-E A10: analog output (voltage range 2.5–9.0 V);  
 DUT-E I: analog output (current range 6.7 – 20mA);  
 DUT-E F: frequency output (500–1500 Hz);  
 DUT-E 232: serial RS 232 interface;  
 DUT-E 485: serial RS 485 interface;  
 DUT-E CAN: CAN interface.

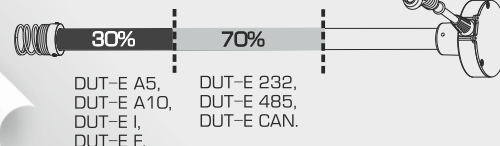


Purpose

Features

- ergonomic bayonet-type fastening to save mounting time;
- strengthened fixing thru the bottom spring catch;
- sealing holes to prevent intrusion;
- all the necessary mounting items and cable in delivery set;
- certified to comply with obligatory automobile standards;
- configurable thermal correction for automatic compensation based on ambient temperature\*;
- adjustable signal filtration to smooth the peaks for different conditions of the vehicle operation\*;
- digital self-diagnostics to control data reliability\*.

Max probe cutting



\* DUT-E 232, DUT-E 485, DUT-E CAN

Specification

Operating principle	Capacitive
Measurement inaccuracy, not more, %	±1
Supply voltage, V	10...50, protection up to 100
Operating temperature, °C	-40...+85
Current consumption (DC 24/12 V), mA	≤25/50
Probe length, mm**	2500, 2000, 1400*, 1000*, 700*, 500, 350, 250, 180

\* – only specified lengths for DUT-E 232, DUT-E 485, DUT-E CAN

\*\* – additional sections available for ordering to build sensors up to 6000 mm

Fuel level sensor DUT-E passes data on raising or lowering fuel volume in tank to tracking device. Vehicle tracking system with the help of GPS determines the location and time. User receives information about changes of fuel volume in the form of parameters or diagrams.



Application

JV TECHNOTON

Minsk, Belarus  
 phone/fax: [+375 17] 298 10 02  
 e-mail: info@jv-technoton.com

www.jv-technoton.com

