

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.



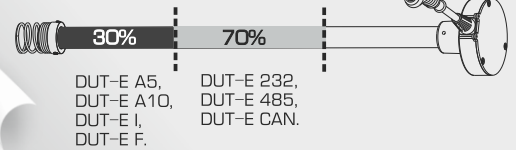
Purpose

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*.

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

Max probe cutting



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

Application

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.



Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

For pricing or any further information, please contact Omni Instruments Ltd.

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