

FMA

FUEL MANAGEMENT AFRICA

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TECHNOTON

FUEL CONSUMPTION ANALYSE PROBES

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

DUT-E features:

- conformity with European and national automotive standards and directives;
- ergonomic bayonet mount to save installation time;
- unique bottom spring for better mounting rigidity;
- filter for secure protection from water and mud;
- full set of mounting accessories and connection cables included;
- self-diagnostics feature to monitor data validity**;
- possibility of integration into Telematics interface (SAE J1939 protocol) ***;
- built-in voltage stabilizer – output signal does not depend on vehicle power supply voltage;
- reverse polarity and short circuit protection of any output to vehicle electrical system and chassis;
- sealing possibility to avoid unauthorized intrusion and tampering.

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	350, 700, 1000



TELEMATIC BUS BASE ON DUT-E GSM

Additional features: SMS commands, possible remote configuration.

DUT-E GSM can serve as a “representative” tool of other devices of fuel telematics with CAN interface. It collects information from all connected devices on monitoring application that communicate via S6 interface, processes that information and transmits that information to the server directly.

Possibility to connect additional equipment:

1. Up to 7 pcs **DUT-E CAN** or **DUT-E 2Bio CAN** Fuel level sensors. Up to 8 fuel tanks together with **DUT-E GSM**.
2. Up to 4 pcs **DFM CAN** Fuel flow meters.
3. **FMSCrocodile**, **MasterCAN CC** or **V-Gate CAN** bus data interfaces.
4. **GNOM DP** or **DDE Axle load sensors** (via **MasterCAN DAC15**).

Any other analog or discrete sensor compatible with **MasterCAN DAC15**.

Specification	Working principle	Capacitive
	Onboard power, V	9 .. 45
	Operating temperature, °C	-40 .. +85
	Current consumption (DC 24/12V), mA	< 50/100
	Buffer memory capacity, no less than reports	50 000
	Protocol of data transmission to the server	IPM S6, Wialon IPS v.2.0.

