



Technoton DUT-E S7 Fuel Level Sensor

The **Technoton DUT-E S7** fuel level sensor is a capacitive wireless sensor for fuel management – monitoring fuel level, fuel consumption, and preventing fuel theft. The sensor collects the data and sends it to a tracking device via Bluetooth.

Applications

- Fuel level measurement and control for diesel heavy duty commercial vehicles

Key Features

- Accurate measurement results
- Wireless
- Robust, vibration-resistant design
- Built-in battery
- High operational safety
- High lifetime

Compatibility

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Detailed specifications

Environmental specifications

Temperature range	-30 to +80 °C
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Measurement ratings

Resolution	0.1 mm
Detection accuracy	± 1.0%

Bluetooth specifications

Protocol standard	Bluetooth 4.1
Output power	+4 dBm
Transmission distance	If mounted in a vehicle, or indoor locations: 20 m If mounted within a line-of-sight range: 50 m
Transmission period	5 s

Protections and ratings

Ingress rating	IP55, IP57
Explosion protection	EAC 0Ex ia IIA T4 X

Certifications

USA	FCC: FCC Part 15
BQE	Yes

Physical properties

Maximum probe length	3000 mm
Head diameter	79 mm
Weight	1.0 kg @ 1000 mm probe length
Battery life	Estimated 5 years with recommended configuration

Ordering information

DUT-E_S7	Bluetooth Technoton Fuel Level Sensor DUT-E S7
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Datasheet v1.0
 2021-02-11