# Sentronic sensor for automotive usage

## Operating principle

The Sentronic sensor is especially designed for Autogas fuelled vehicles. The sensor operates on the capacitance measurement method. Capacitance varies with the level inside the tank. The change in capacitance value is converted into a useable electronic signal.

## Construction

The design guarantees an optimal level of safety at all times. The pressure resistant construction ensures the continuity of the signal from the tank to the convertor. The electric current and the supply voltage of the electronics are very low. The electronics and the connection cable are encapsulated with an epoxy resin. The sensor has no moving mechanical parts, so wear and tear are excluded.

## Sentronic MTA sensor

The Sentronic MTA sensor is available in many standard sizes and shapes for a variety of LP Gas applications:

- automobiles
- caravans
- campers
- boats
- forklift trucks
- heavy-duty equipment

By using different mounting angles the Sentronic sensor can be fitted to cylindrical tanks, twin tanks or donut tanks.

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# Advanced Sentronic sensor with smart transmitter

In response to demand from the automotive industry CMT have developed a special OEM version Sentronic sensor with a smart transmitter.

This version differs from the regular Sentronic in the following ways:

1. "Smart transmitter electronics" allow a simplified method of adjustment. The sensor can be factory set saving installation time.

2. According to the signal specifications from the car manufacturer the sensor can easily be programmed so that the standard fuel gauge can be used as display.

3. We can also program specific non-standard tank or meter characteristics into the smart transmitter. This means that it is possible to make a suitable sensor for almost any shape of Autogas tank.

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