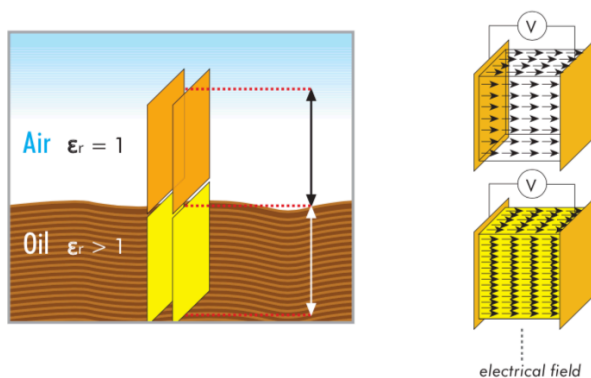


Capacitive Fuel Level Sensor

The FSC level measuring system is based on a capacitive measurement principle. A capacitor is formed by an electrically conducting plate and an aluminium tube. Depending on the level, the remaining air volume between the measurement electrodes varies. The resulting capacitive change is detected and processed by the microcontroller.

Additionally, the FSC offers measurement of the medium temperature through a sensor element positioned at the tip of the sensor. A high & low level switch output is integrated as an optional choice as well.

Capacitance measurement



Features

- No mechanical moving parts
- Robust design for heavy duty applications
- Precise indication of medium level
- Measuring range from 100mm to 2000mm
- Linear output signal
- Able to measure any non conductive fluid
- The flange hole distribution is compatible with commercially used tank sensors
- Min or max switching point integrated
- Factory calibrated sensor, no field cutting and recalibration needed

Applications

- Fuel level sensing for agricultural and construction machinery, compressors engines, power train control systems and utility vehicles.
- Fuel level sensing for boat, marine application