



The new OLT sensor

» More functionality – accuracy of measurement

- Standard interfaces: Analogue, PWM, LinBus
- Temperature measuring range $-40^{\circ}\text{C} \dots +140^{\circ}\text{C}$
- First measuring 0,6 sec. after turn on
- High resistance against vibrations

- Wide supply voltage range: 9V...36V
- MIN / MAX function
- Replacemant for dipstick

OLT means for OIL – Level – Temperature and has been designed for oil pans or for small hydraulic oil applications. Through using an OLT the dipstick in the engine is replaced. The OLT performs a continuous measurement of oil level and temperature.

The OLT measures the level by a resistance wire which is heated through a current pulse. The resistance value change depends on the ambient temperature and submersion depth. The resulting resistance change is evaluated by a microcontroller and the calculated value is displayed on a output.

The OLT also enabled detection of the medium's temperature. An integrated error detection routine makes sure that the output value is in range.