

CPO-2/L/T

Oil level sensor



Signalling the minimum
level and threshold
temperature
of hydraulic
liquids

- applied in machines working in an out-of-plum position
- adapted to work in locations with explosion hazards



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TECHNICAL DATA

✓ Metrological parameters	
- maximum range of level signalling	500 mm
- measuring error	± 5 mm
- range of temperature signalling	40°C ÷ 90°C, hysteresis 15°C
- type of signal output	normally closed contact
✓ Electrical parameters	
- acceptable input parameters	$U_i = 60 \text{ V DC}$, $I_i = 0,25 \text{ A}$, $P_i = 3,0 \text{ W}$
✓ Working conditions	
- medium	oil, oil-in-water emulsion
- ambient temperature	5°C ÷ 40°C
- temperature of the medium	5°C ÷ 90°C
- relative humidity	up to 100%
- maximum out-of-plumb position	40°
✓ Mechanical parameters	
- size	84 × 40 + Ø45 × signal level. L + 20 mm
- weight	about 2.5 kg
- casing protection degree	IP 65

The CPO-2/L/T oil level sensor has been designed to signal the drop in the liquid level below the determined minimum level and to signal exceeded threshold temperature in the closed tanks of machines.

- the minimum oil level is signalled when the magnet of the float, lifted by buoyancy force, switches over the contacts of the reed relay placed at the determined minimum level. This level is determined by the measuring range of the sensor (the distance from the installation surface of the sensor casing) agreed with the sensor user
- the state of contacts (open-closed) of a bi-stable temperature sensor, installed in the bottom shield of the sensor, signals the state of oil temperature

Anti-explosion structure



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CE-type examination certificate

KDB 08ATEX100

Conformity mark **CE**