

Continuous Level and Temperature Sensor



CFP Cubic



Features:

- Continuous level measurement and temperature measurement as well as level and temperature switches
- Measurement irrespective of container material
- Probe from 100 mm to 1,000 mm
- Display and intuitive menu navigation
- IP 67 enclosure rating and IO-Link 1.1
- No dead zone along the measuring range

Description:

The CFP Cubic is a capacitive level sensor for taking continuous level, limit, and simultaneous temperature measurements. Thanks to intelligent MCiM technology (multi-capacitive intra-probe measuring), the CFP Cubic measures media over the entire length of the probe – irrespective of the container material and without the need for additional accessories.

Medium calibration is not necessary. The probe's plastic surface prevents deposits and ensures high resistance to aggressive media.

The sensor's intuitive setup uses a guided menu to ensure quick and easy adaptation to the measuring task. IO-Link allows the process data to be integrated into an automation network.

Applications:

- Monitoring of coolants and lubricants in machine tools
- Monitoring of cleaning solutions and cleaning agents in machine engineering
- Oil, level and temperature measurement in hydraulic and cooling lubricant systems
- Level measurement in plastic tanks

Technical Data Overview

Measurement principle	Capacitive sensor
Detection principle	Contact
Medium	Water and oil-based liquids
Measurement	Switch, continuous
Process temperature	-20°C ... + 80°C
Process pressure	-0.5 bar ... + 3 bar
Output signal	2 x PNP/NPN/Push-Pull 2 x PNP/NPN/Push-Pull + 4 mA ... 20 mA / 0 V ... 10 V 4 x PNP/NPN/Push-Pull + 2 x 4 mA ... 20 mA / 0 V ... 10 V
Accuracy of sensor element	± 15 mm
Measuring range	100 mm ... 1,000 mm

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | Roxspur Measurement & Control
2 Downgate Drive, Sheffield, South Yorkshire, S4 8BT, UK | Ph: +44 (0) 114-244-2521
www.ttelectronics.com | RoxspurSales@ttelectronics.com