



CFP Cubic

Multifunctional sensor for level and temperature measurement

LEVEL SENSORS

SICK
Sensor Intelligence.



Technical data overview

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 (depending on type)



Product 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. 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.

At a glance

- 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
- No mechanical moving parts
- IP 67 enclosure rating and IO-Link 1.1
- No dead zone along the measuring range

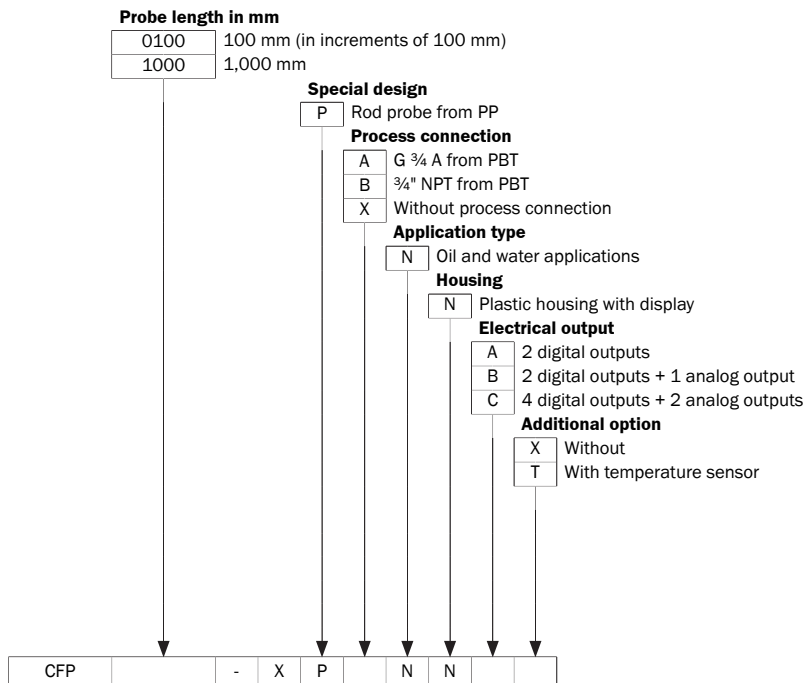
Your benefits

- One sensor for two measuring applications - level and temperature measurement - reduces installation complexity and stock requirements
- Simple, intuitive operation thanks to predefined menu navigation and integrated display
- One sensor for two measuring applications reduces installation complexity and stock requirements
- Flexible measurement in containers made of different materials – including plastic – without additional accessories
- Measurement in small containers and close to the ground possible
- Measurement in oils and water-based liquids without additional accessories saves on purchase and storage costs

Fields of application

- Monitoring of cleaning solutions and cleaning agents in machine engineering
- Measuring oil, level, and temperature in hydraulic systems
- Level measurement in plastic tanks

Type code

Other models and accessories → www.sick.com/CFP_Cubic

Not all variants of the type code can be combined!

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com