FLEXIBLE UP TO THE PROBE TIP

Product description

The LFP Cubic is a level sensor that uses TDR technology (time domain reflectometry) and thus can be used in oil- and water-based liquids without calibration. The LFP's guided radar uses time-of-flight technology to measure electromagnetic pulses. The time difference between the sent pulse and the reflected pulse is used to calculate the level, both as a continuous value (analog output) and a freely positionable switching point (switching output). Due to its flexible probe that can be changed or cut, it is possible to integrate the sensor quickly into any application. The LFP Cubic can work in deposit-forming and foaming liquids. The sensor's intuitive setup uses four buttons and a display to ensure quick and easy adaptation to the application. Remote amplifier, IO-link interface and version with a process connection in titanium are additional features for versatile use.

At a glance

- Level sensor for fluids
- No mechanical moving parts
- Manually cutable and exchangeable probe with lengths from 200 mm up to 2,000 mm or rope probe up to 4,000 mm
- Resistant to deposit formation
- Process temperature up to 100 °C; process pressure up to 10 bar
- 3 in 1: combined display, analog output (acc. NAMUR NE 43) and binary output
- High enclosure rating of IP 67, rotatable housing and remote amplifier version

Your benefits

- Rugged design increases service life
- High flexibility due to cutable and exchangable rod probe or rope probe
- Cost savings due to multiple output signals: one system for both level detection and continuous level monitoring
- Time and cost savings due to low maintenance and quick commissioning without calibration
- Titanium process connection brings high chemical resistance
- Compact and rotatable housing or remote amplifier ensures flexible installation
- No crosstalk when several sensors are mounted next to each other
- Advanced technology enables adjustment-free measurement

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IO-Link

Additional information

➜ **www.mysick.com/en/LFP_Cubic**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.