

SONAR-410 FTS-Flex D Ultrasonic Level Sensor

The SONAR-410 FTS-Flex D is a lever sensor designed specifically for vertical storage tanks (VSTs), along with a console.

The Description of Functions

When measuring the liquid level, the principle based on pulse ultrasonic echolocation is employed. The ultrasonic probe is based on a sensor block made of stainless-steel corrugated pipe with two piezoelectric sensors (for level measurement and distance measurement to the bottom) and a set of sound guide modules (2 m in length - up to 5 inclusive), enabling the measurement of liquid level in the tank up to 14 m. The special design allows bending the probe in any direction, facilitating its compact packaging to reduce transportation costs. The probe has a very simple mounting construction. This configuration also includes an option for measuring density. The density of the liquid is measured by a densitometer installed on the sound guide.

Technological Advantages of Freiberg Technologie

- Implementation of the method does not require high demands on the wear resistance and durability of equipment construction.
- Measurement results and calculations are displayed on the level gauge operator's monitor and transmitted to the facility's ACS.
- The simplicity of the converter design and installation method onto/in tanks, results in ease of service maintenance and simplified service support procedures, without the need for expensive spare parts.
- > Supplied with a densitometer as part of the package.



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