

Fiber Optic Liquid Level Sensor Manufacturers



AI Overview

Opsens Solutions, Hawk Measurement, Baumer USA, and Rochester Sensors are leading providers of fiber optic liquid level sensors for industrial and specialized applications.

Opsens Solutions

Opsens Solutions offers the WaterSens fiber-optic level measurement system, which uses White Light Polarization Interferometry (WLPI) to measure hydrostatic pressure and calculate liquid levels with high precision . Key features include:

- “Plug & Forget” design for permanent deployment without maintenance
- High accuracy (better than ± 1 mm for fuel tanks)
- Robustness against electromagnetic interference and lightning strikes
- Remote operation via Wi-Fi, satellite, or Ethernet interfaces
- Autonomous power options using solar panels and batteries
- Compatible with multi-channel readout systems like FieldSens-W and portable units like HandySens-W for flexible monitoring .

Hawk Measurement

Hawk Measurement specializes in fiber optic sensing solutions for industrial applications, including mining, water, and power sectors . Their offerings include:

- Level measurement and blocked chute detection

Article Content

High-Resolution Portable Dual-Point Liquid Level Measurement

This paper presents a portable dual-point optical fiber sensor system for continuous liquid level measurement using polymer optical

Hydrostatic Fiber-Optic Liquid Level Sensor with a Position-Sensitive ...

Commercial accounting for petroleum products requires more precise measurements and more stable operation of the

Fiber Optics and liquid level Sensors line Guide

Honeywell Sensing and Control (S& C) offers fiber optic sensors manufactured with SERCOS (Serial Real-time Communication

103 Liquid Level Sensor Manufacturers in 2026

This section provides an overview for liquid level sensors as well as their applications and principles. Also, please take a look at the

Fiber optical liquid level sensor under cryogenic environment

This paper reports a preliminary experimental investigation and characterization of an optical fiber-based liquid level

Liquid Level Sensors Manufacturers and Suppliers in the USA

Distributor of single-point, multi-level, fiber optic, and ultrasonic liquid level sensors. Specifications include -40 to 750 degrees F

Anti-Crosstalk Fiber-Optic Liquid Level Sensor Based on Hollow-Core ...

In this letter, we develop a novel fiber-optic sensor based on a hollow-core Bragg fiber (HCBF) for high-precision detection of liquid

Fiber Optic Liquid Level Sensor Based on Integration of Lever

We present a fiber-optic liquid level sensor that is conducted by a combination of optical interferometry and lever

Fiber optic sensors for liquid level measurement

The large number types of sensors with the various principles have been used for the liquid level measurement.

Optical Fiber-Based Continuous Liquid Level Sensor Based on

This work reports an optical fiber-based continuous liquid level sensor for cryogenic propellant mass gauging, which

High resolution liquid level sensor based on Archimedes' law of ...

In this paper, we present a polymer optical fiber (POF) Bragg grating (FBG) to measure liquid level based on

Liquid level sensor based on dynamic Fabry-Perot ...

In this work, a novel optical fiber sensor capable of measuring both the liquid level and its refractive index is designed,

An Optical Fiber Liquid Level Sensor Based on Side Coupling

An optical fiber liquid level sensor based on two twisted polymer optical fibers twining around a racetrack column is

Fiber Optic level sensor WaterSens

The WaterSens solution for monitoring liquid levels can be applied to almost any environment, while delivering reliable results for

Polymer Optical Fiber Liquid Level Sensor: A Review

Polymer optical fiber (POF) level sensors have a lot of potential in liquid level sensing because of their inherent safety,

Liquid Level Sensors Manufacturers and Suppliers in the USA

Worldwide manufacturer & distributor of standard & custom flow monitor sensors including liquid level sensors. Types include

Low-Cost and High-Performance Optical Fiber-Based Sensor for Liquid ...

Liquid level sensing is nowadays a relevant issue in a broad range of applications, forcing the sensors performance

18 Fiber Optic Sensor Manufacturers in 2026

This section provides an overview for fiber optic sensors as well as their applications and principles. Also, please take a look at the

Optical point level sensors | Baumer USA

Fluid detection by optical light allows for deployment even in varied non-conductive media In leakage monitoring, 1 ml escaping fluid

Portable Optical Fiber Sensor for Continuous Liquid Level Sensing

This article presents a portable optical fiber sensor (OFS) design for continuous liquid level measurement, fabricated using two

Fiber-optic liquid-level sensor

An intensity-based fiber-optic liquid-level sensor for point measurement is described. The sensing principle is based

Polymer Optical Fiber Liquid Level Sensor: A Review

Efficient liquid level measurements are crucial for industrial processes with high safety and accuracy requirements. Traditional liquid

OPP-C Series

The WaterSens solution using Opsens Solutions fiber optic pressure sensors has been designed

Fiber-Optic Level Sensor Selection Guide | HojellyTek

Compare fiber-optic and photoelectric liquid level sensors, review trade-offs, and request sensor RFQ advice from

Fiber-Optic Level Measurement

Discover fiber-optic level sensors from Polytec: precise, maintenance-free, drift-free, ATEX-safe and immune to EMI for industry,

Fiber-optic liquid-level continuous gauge

An intensity-based fiber-optic liquid-level gauge for continuous measurement is described. The sensing principle is

Level Measurement Technologies

Hawk Measurement develops & manufactures level measurement, blocked chute detection, sonar interface sensing and fiber optic

High-Resolution and Large-Sensing-Range Liquid-Level Sensor

Abstract Liquid-level sensors are required in modern industrial and medical fields. Optical liquid-level sensors can solve the safety

Plastic fiber optic sensor for continuous liquid level monitoring

In addition, the fiber optic level sensor shows a stable and reproducible response over several cycles of 30 min

Contact Us

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