

Debugging Methods and Procedures for Fiber Optic Liquid Level Sensors

This work reports an optical fiber-based continuous liquid level sensor for cryogenic propellant mass gauging, which has significant advantages over the existing liquid level sensors in terms of accuracy, ...

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In this paper, a novel liquid level sensing system is proposed to enhance the capacity of the sensing system, as well as reduce the cost and increase the sensing accuracy. The proposed ...

you,the,i,to,a,and,it,of,that,in,is,me,what,this,for,my,on,your,we,have,do,no,don't,are,be,i'm,not,was,he,it's, know,with,all,but,here,get,so,just,go,like,up,right ...

Innovators at NASA's Armstrong Flight Research Center have developed a highly accurate method for measuring liquid levels and other tank gauging applications ...

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To achieve accurate, continuous, and online monitoring of liquid levels over a wide range, we investigate a liquid level sensor based on reflective optical fiber.

This study presents a fiber optic liquid level sensor (FOLLS) by acquiring information from the amplitude of spectral fast Fourier transform (FFT) in a specified narrow wavelength range.

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Validation and development of a hydrostatic fiber-optic liquid level sensor with a position sensitive detector (PSD). Here we propose a modernization of the well recommended, by ...

In this context, this paper presents three specific optical fiber sensor technologies that show considerable potential for liquid-level monitoring: the Mach-Zehnder and Fabry-Perot ...

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

Fiber-optic sensors, which have emerged in recent years, can measure a wide range of physical quantities such as acoustic fields, electric fields, pressure, temperature, angular velocity, ...

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