

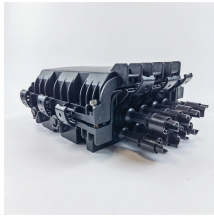
## Blade Fiber Optic Sensor



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Calibrate and validate FOS measurements for open-water deployment on the rotor assembly of the open-source tidal energy converter (OSTEC). The applied flapwise, edgewise, and pitch moments ...



SmartBlade is a high-performance, robust and low-cost system for measurement of blade root loads for wind turbines. Get in touch with us today for more information...



Digital Fiber Optic Sensor FS-V30 series What is a Fiber Optic Sensor? A fiber optic sensor is an instrument that measures light from an LED (or other device) for detection purposes. These devices ...



In this paper, a method is presented for using fiber-optical sensors to identify elastic blade movements based on surface-strain measurements. With this method, it is possible to calculate the displacement ...



The accuracy of obtained natural frequencies and operational mode shapes is assessed, demonstrating the potential of the use of both fibre optic sensing systems for determining blade ...



Therefore, detection technology using Brillouin distributed fiber-optic sensors may be used to find hidden trouble in the blade and estimating the location and size of fatigue damage. Also, one single Brillouin ...



Our proven fiber-optic load measurement system enables the fast and reliable development of individual pitch control for your turbine, minimizing your investment and time to market.



On this basis, the installation position and data processing method of the sensor during blade strain measurement are analyzed as the theoretical basis for measuring the health status of fan blades ...



The overall goal of our research is to develop a miniature wireless optical sensor system for helicopter on-blade pressure and strain measurements.

## Contact Us

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