

Distance Measurement of High-Voltage Frame Optical Cables

To address the robustness of obstacle distance measurement under varying illumination conditions, this article develops a research method that fuses image enhancement with robot ...

Lead-in fibers are useful to locate short distance faults and making loss/attenuation measurement in real time mode. This document explains how to use lead-in fibers.

This paper introduces a singular measurement infrastructure for real-time monitoring of transmission lines, applied to a 230 kV section of the Brazilian grid. The system aimed to expand the ...

In view of this situation, we develop an on-line measurement system of creepage distance for high voltage insulators based on binocular stereo vision. We have proposed a method of generating linear ...

In this work we propose the use of power over fiber (PoF) and free space optics (FSO) techniques to powering and receive signals from an electrical current sensor placed at high voltage ...

With Montena's solutions, measure electromagnetic field transients and floating voltages without disrupting your systems. Our fiber optic links provide interference-free transmission, making them ...

Based on the depth information of the optimized disparity map and the principle of binocular vision measurement, a model is established to estimate the distance of an obstacle from the cable ...

Obstacle distance measurement is one of the key technologies for cable inspection robots on high-voltage transmission lines. This article develops a novel method based on binocular vision ...

The work discusses various high voltage measurement challenges and solutions, including the design of electrode structures and the implementation of SCOS in different high voltage systems.

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