

OITDA FS 02 (2022 Ed.1)

Fiber optic sensors—Voltage measurement—Polarimetric method

Summary

With the development of the IEC 61757 series, the international standardization of optical fiber sensors is being promoted. This document is a standard for configurations and characteristic test methods for optical fiber sensors. An interface standard for applying the optical voltage sensors to electric power plants already exists, but there has been no standard for the configurations and characteristic test methods of the optical voltage sensors themselves, which has been a problem in commerce. Therefore, this standard clarifies the items that represent the performance and function of the optical voltage sensors and defines the test methods. By reflecting this OITDA standard in the IEC 61757 series, Japanese Industrial Standards, and others, international harmonization of optical voltage sensor standards is expected in the future.