

OITDA/TP 38/FS (2023 Ed. 1)

Implementation Manual for Single/Multiple Point Optical Fiber Sensor for Civil Engineering Field

Summary

Single/Multiple point optical fiber sensors have been applied to various measurement objects, mainly in the construction field, and have a proven track record. However, there are many cases where the features and special considerations of the sensors are not fully understood, and the introduction of the sensors are often hesitated or have not yet been implemented. Therefore, we have compiled an overview of the sensors as well as their advantages and points to keep in mind in this TP to make it easier for readers to introduce the sensors. This TP provides the outline of Single/Multiple point optical fiber sensors, their advantages and precautions, and how to use them, for facilitation of Single/Multiple point optical fiber sensor implementations.