Keynote Speaker

Development of a New Outlet Polarity Tester

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Abstract

In this paper, we illustrate about a new outlet polarity tester which developed in our company. In recent years, it has been an increase in the opportunity to use the power outlet grounding electrode. This is because the use of grounded outlet has been mandated in the interior wiring regulation. Also in the interior wiring regulation, since it has been mandated to properly connect the polarity, polarity test is an essential test until completion of construction. However, in the current general outlet tester may not be able to confirm a false connection of grounded outlet. Further, the conventional polarity test for performing using commercial power test, it has a problem that can not be tested only after receiving.

In order to solve these problems, we have developed a new type of outlet polarity tester. As the result of operation verification, we have confirmed that a new tester has the ability to easily discriminated the 24 type of connection state including a disconnection.