

Development of Contact Loss Measuring System Using Ultraviolet Rays

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The optical contact loss measuring system to detect arcing photons has used visible rays in measurement, but its measurement has been executed only at night because the accuracy is affected by environmental light. This problem can be solved by change to a new system to detect ultraviolet rays that would be adopted by The International Electrotechnical Commission in future, but the system has a fault that it is very expensive. This paper reports development of a low-priced measurement system to solve the problem.