

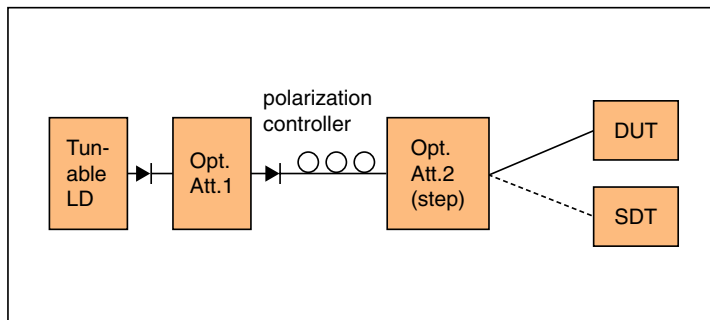
Wide-Range Optical Attenuation Standard by Incremental Attenuation Method

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AIST Today Vol. 4, No.8 (2004) 16

We have developed a system for measuring the linearity of fiber-optic power meters over a dynamic range of about 100 dB on the basis of the incre-

mental attenuation method. The measurement system and uncertainty of calibration by this method are reported.



Setup for calibrating wide-dynamic range optical power meters

A New Protective Garment System Against Radioactive Substance without Causing Secondary Waste

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AIST Today Vol. 4, No.8 (2004) 17

In order to prevent generating secondary radioactive waste during works in a closed environment contaminated with radioactive substances, we developed a new protective garment system in collaboration with Chiyoda Maintenance Co., Ltd. It is realized by developing a new put-on/take-off mechanism based on reversible shape-changing structures composed of shape memory alloy and elastic materials. Isolation with pollution environment and clean environment is always maintained and anti-contamination smocks, which turn into secondary waste after works, are not necessary any longer.

The system is applicable to works in an environment handling hazardous substances as well as in a clean room.



Developed protective garment system against radioactive substance