

Optical system for recording specimen deflection in bending tests

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Abstract. Special systems for recording deflections are used, when carrying out the works on three-point bending and destruction of specimens made of different geomaterials. The authors developed an off-contact recording system based on an available optical sensor in order to resolve this problem. The system was tested during the bending tests of various materials. The obtained system is sensitive enough and is an inexpensive analogue of such systems in the market.

Keywords:

recording system, optical sensor, specimen deflection

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