PRINCIPLES OF MEASUREMENT OF OPTICAL RADIATION AT WORK PLACES

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ABSTRACT *This paper presents the requirements for the method and extent of testing of non coherent optical radiation at work places as well as the meters used for tests. The requirements are based on the current standards in the field of optical radiation. The scope of the exposure measurements are presented in conjunction with the current values of MDE. There is a description of the method of determining the angular dimension of radiation source α and how to calculate the effective source radiance from the measured effective irradiance. At the end, the paper presents the recommended frequency of testing and suggestions concerning the content of the study.*

Keywords: *ultra-violet, visible and infra-red radiation, irradiance, radiance*