

Standards for the measurement and assessment of incoherent optical radiation exposures – Support for ICNIRP guidelines

ICNIRP guidelines on limits for incoherent optical radiation exposures contain only few details for the measurement of exposures. In order to specify measurement methods more detailed and to make measurement results comparable CEN/TC169/WG8 "Photobiology" prepares the EN 14255 series of standards for measurement and assessment procedures for optical radiation exposures:

EN 14255: Measurement and assessment of personal exposures to incoherent optical radiation

- **Part 1: UV radiation in the workplace**
 - Procedure for measurement and assessment
 - Requirements for measurement methods
 - Suitable UV measurement methods
- **Part 2: Visible and infrared radiation in the workplace**
 - Procedure for measurement and assessment
 - Requirements for measurement methods
 - Suitable VIS and IR measurement methods
- **Part 3: UV radiation emitted by the sun**
In preparation
- **Part 4: Terminology and quantities**
 - Measurement quantities
 - Definitions
 - Relationships between quantities

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UV exposure during welding



Visible and IR exposure near a printing machine



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