

DIN EN ISO 15752:2010-05 (E)

Ophthalmic instruments - Endoilluminators - Fundamental requirements and test methods for optical radiation safety (ISO 15752:2010)

Contents		Page
Foreword		3
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Requirements	6
4.1	Optical radiation hazard with endoilluminator light sources	6
4.1.1	General	6
4.1.2	Determination of classification group	6
4.1.3	Requirements for Group 1 instruments	6
4.1.4	Requirements for Group 2 instruments	6
4.2	Retinal protection	7
4.3	Stability of light intensity	7
5	Test methods	7
5.1	Determination of irradiance, spectral irradiance and spectrally weighted irradiance for Group 1 and Group 2 instruments	7
5.2	Determination of half-angle	8
5.3	Measurements to classify instruments in Group 1 or Group 2	8
5.4	Group 2 instrument measurements	8
6	Information supplied by the manufacturer	8
6.1	General	8
6.2	Information supplied by the manufacturer of Group 2 combination of endoilluminator light source and light guides	8
6.3	Information supplied by the manufacturer of Group 2 endoilluminator light source	8
6.4	Information supplied by the manufacturer of endoilluminator light guides	9
7	Marking	9
7.1	Endoilluminator light source	9
7.2	Packaging of endoilluminator light guide	9
Annex A (informative)	Example of information to be provided to the user regarding maximum exposure guidelines	10
Annex B (informative)	Method for measuring maximum spectral irradiance in water-filled bath	11
B.1	Equipment	11
B.2	Method	11