ISO 15004-2:2007-02 (E)

Ophthalmic instruments - Fundamental requirements and test methods - Part 2: Light hazard protection

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms, definitions and symbols 1
3.1 Terms and definitions 1
3.2 Symbols 5

4 Classification 6

5 Requirements 6
5.1 General 6
5.2 Requirements for classification as a Group 1 instrument 6
5.3 Requirements for Group 2 instruments 7
5.4 Emission limits for determination of Group 1 classification 7
5.5 Emission limits and guideline values for Group 2 instruments 11

6 Test methods 16
6.1 General 16
6.2 Measurements made to classify instruments into Group 1 or Group 2 16
6.3 Group 2 instruments: Measurements 16
6.4 Determination of area 17
6.5 Group 2 instruments: Determination of time and number of pulses to reach maximum exposure guidelines 17

7 Information supplied by the manufacturer 18

Annex A (normative) Spectral weighting functions 20

Annex B (informative) Product-related International Standards for ophthalmic instruments to Annex C (informative) Measurement instruments 27

Annex D (normative) Measurement methods for radiance/irradiance 28

Annex E (informative) Guidance on the direct measurement of irradiance 33

Annex F (informative) Classification flowchart 35

Bibliography 37