ISO/TR 20824:2007-07 (E)

Ophthalmic instruments - Background for light hazard specification in ophthalmic instrument standards

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Classification of instruments 1

3 Time basis for limits for continuous wave instruments 2

4 Emission limits 2
4.1 General 2
4.2 Ultraviolet radiation limits for Group 1 and Group 2 instruments 3
4.3 Visible radiation limit for Group 1 instruments 4
4.4 Infrared radiation limits for Group 1 and Group 2 instruments 5
4.5 Limit for multiple source instruments 9
4.6 Visible light exposure guideline for Group 2 instruments 9

5 Averaging apertures 9

6 Requirements 10
6.1 Measurement requirements and test certifications of components 10
6.2 Measurement requirements for Group 1 instruments 12
6.3 Requirements for Group 2 instruments 13

7 Particular information 13

8 Test methods 14

9 Annexes of ISO 15004-2 14

Bibliography 15