DIN EN ISO 12867:2010-11 (E)

Ophthalmic instruments - Trial frames (ISO 12867:2010)

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Requirements 5
4.1 General 5
4.2 Mechanical requirements 5
4.2.1 General 5
4.2.2 Lens holders 5
4.2.3 Interpupillary distance 5
4.2.4 Lens rotation 5
4.2.5 Sides 5
4.2.6 Bridge piece adjustment 5
4.2.7 Axis scale 6
4.2.8 Lens holder alignment 6
4.2.9 Dimensions and tolerances 6
4.2.10 Construction 6
4.3 Materials 6

5 Test methods 6
5.1 General 6
5.2 Checking of mechanical requirements 6
5.3 Checking of parallelism of geometrical axes of lens holders 7
5.4 Checking of coincidence of lens holder planes 7

6 Accompanying documents 7

7 Marking 7

Annex A (informative) Examples of test methods for checking parallelism of geometrical axes of lens holders 8

A.1 Method 1: checking parallelism of geometrical axes with a collimated telescope 8
A.2 Method 2: checking parallelism of geometrical axes using a laser 9

Bibliography 10