DIN EN ISO 24013:2007-02 (E)

Optics and photonics - Lasers and laser-related equipment - Measurement of phase retardation of optical components fo r polarized laser radiation (ISO 24013:2006)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Symbols and abbreviated terms 5

5 Measurement principle 6

6 Preparation of test sample and measuring arrangement 7
6.1 General 7
6.2 Laser beam preparation 7
6.3 Sample adjustment and system calibration 7
6.4 Detection system 8

7 Test procedure 9
7.1 Test procedure for zero phase retardation 9
7.2 Test procedure for /2 phase retardation 9

8 Evaluation 10
8.1 General 10
8.2 Evaluation for zero phase retardation 10
8.3 Evaluation for /2 phase retardation 10

9 Test report 10

Annex A (informative) Theoretical background 12

Bibliography 19