

ISO 14997:2003-04 (E)

Optics and optical instruments - Test methods for surface imperfections of optical elements

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Physical principles	2
5	Method I: Measurement of obscured or affected area	3
5.1	General	3
5.2	Requirements	3
5.3	Calibration	4
5.4	Procedure	4
5.5	Test report	5
6	Method II: Measurement of visibility	6
6.1	General	6
6.2	Calibration	6
6.3	Procedure	6
6.4	Test report	6
	Annex A (informative) Component inspection for Method I	8
	Annex B (informative) Recommended dimensions of artefacts on a scale comparison plate for Method I	9
	Annex C (informative) Description of the instrument used for measuring imperfections below 0,01 mm: Microscope image comparator (Method I)	10
	Annex D (informative) Imperfection quality control	13
	Annex E (informative) Inspection station (Method II)	15
	Bibliography	20