

ISO 17123-6:2022-05 (E)

Optics and optical instruments - Field procedures for testing geodetic and surveying instruments - Part 6: Rotating lasers

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols and abbreviated terms	2
4.1	Symbols	2
4.2	Abbreviations	3
5	General	3
5.1	Requirements	3
5.2	Procedure 1: simplified test procedure	3
5.3	Procedure 2: full test procedure	4
6	Simplified test procedure	5
6.1	Configuration of the test field	5
6.2	Measurements	6
6.3	Calculation	7
7	Full test procedure	8
7.1	Configuration of the test line	8
7.2	Measurements	8
7.3	Calculation	9
7.4	Statistical test	13
7.4.1	General	13
7.4.2	Question a)	14
7.4.3	Question b)	15
7.4.4	Question c)	15
7.4.5	Question d)	15
8	Influence quantities and combined standard uncertainty evaluation (Type A and Type B)	16
Annex A (informative) Example of the simplified test procedure		17
Annex B (informative) Example of the full test procedure		20
Annex C (informative) Example for the calculation of an uncertainty budget		25
Bibliography		28