

ISO 17123-5:2012-12 (E)

Optics and optical instruments - Field procedures for testing geodetic and surveying instruments - Part 5: Total stations

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	General	2
4.1	Requirement	2
4.2	Procedure 1: Simplified test procedure	2
4.3	Procedure 2: Full test procedure	2
5	Simplified test procedure	3
5.1	Configuration of the test field	3
5.2	Measurement	3
5.3	Calculation	4
6	Full test procedure	5
6.1	Configuration of the test field	5
6.2	Measurement	6
6.3	Calculation	7
6.4	Statistical tests	11
6.5	Combined standard uncertainty evaluation (Type A and Type B)	13
Annex A (informative)	Example of the simplified test procedure	15
Annex B (informative)	Example of the full test procedure	17
Annex C (informative)	Example for the calculation of a combined uncertainty budget (Type A and Type B)	23
Annex D (informative)	Sources which are not included in uncertainty evaluation	26
Bibliography		27