

ISO 20685-2:2015-08 (E)

Ergonomics - 3-D scanning methodologies for internationally compatible anthropometric databases - Part 2: Evaluation protocol of surface shape and repeatability of relative landmark positions

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test protocol for evaluating surface shape measurement	3
4.1 General aspects	3
4.2 Test sphere	3
4.3 Procedure	3
4.3.1 Measurement of test sphere	3
4.3.2 Calculation of quality parameters	4
4.3.3 Report	4
5 Test protocol for evaluating repeatability of landmark positions	5
5.1 General aspects	5
5.2 Test object	5
5.3 Landmarks	5
5.4 Procedure	6
5.4.1 Measurement	6
5.4.2 Calculation of quality parameter	7
5.4.3 Report	7
6 Evaluation of hidden area	7
6.1 General aspect	7
6.2 Recruitment of subjects	7
6.3 Posture control and measurement	7
6.4 Procedure to evaluate the hidden area	8
6.5 Report	8
Annex A (informative) Sample of test object	9
Annex B (informative) Example of test and report	11
Annex C (informative) Example of report of evaluation of hidden area	17
Annex D (informative) Simultaneous superimposition of landmark coordinate data from 10 scans ..	19
Bibliography	20