

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