

# ISO/TR 7250-2:2024-03 (E)

## Basic human body measurements for technological design - Part 2: Statistical summaries of body measurements from national populations

---

<b>Contents</b>		<b>Page</b>
Foreword.....		v
Introduction.....		vi
<b>1</b>	<b>Scope.....</b>	<b>1</b>
<b>2</b>	<b>Normative references.....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions.....</b>	<b>1</b>
<b>4</b>	<b>Anthropometric measurements.....</b>	<b>1</b>
<b>5</b>	<b>Statistical procedures.....</b>	<b>2</b>
5.1	Data editing.....	2
5.2	Statistics.....	2
5.3	Population stratification.....	2
5.4	Age stratification.....	2
5.5	Body measurements for representative body forms.....	2
<b>6</b>	<b>Background information.....</b>	<b>2</b>
6.1	General.....	2
6.2	Background of database.....	2
6.2.1	Time period of measurement.....	2
6.2.2	Location of measurement.....	2
6.2.3	Demographic data.....	3
6.2.4	Publication on the anthropometric research.....	3
6.3	Representativeness of the sample.....	3
6.3.1	Sampling method.....	3
6.3.2	Information on secular change.....	3
6.4	Accuracy and reliability of measurements.....	3
6.4.1	Skill of measurers.....	3
6.4.2	Measurements from 3D scanners.....	3
<b>7</b>	<b>Procedure for presenting member body statistics.....</b>	<b>3</b>
7.1	General.....	3
7.2	Submission of data.....	4
7.3	One data set from each member body.....	4
7.4	Meeting the criteria outlined in <a href="#">5.2</a> , <a href="#">5.3</a> and <a href="#">5.4</a> .....	4
7.5	Measurement of possible errors.....	4
7.5.1	General.....	4
7.5.2	Minima and maxima.....	4
7.5.3	Percentile values.....	4
7.5.4	Standard deviation (SD).....	4
7.5.5	Comparison of mean or P50 values from member bodies.....	4
7.6	Marks on values likely to be in error.....	4
<b>8</b>	<b>Statistics for ISO national members.....</b>	<b>5</b>
8.1	General.....	5
8.2	Austria.....	5
8.3	Germany.....	5
8.4	Italy.....	9
8.5	Japan.....	15
8.6	Kenya.....	20
8.7	The Republic of Korea.....	24
8.8	The Netherlands.....	29
8.9	Thailand.....	33

8.10	The United States of America.....	37
8.11	China.....	42
8.12	India.....	46
8.13	Sweden.....	51
8.14	Brazil.....	55
<b>Annex A (informative) Maximum allowable difference between values obtained by the method described in ISO 7250-1 and by other methods.....</b>		<b>61</b>
<b>Annex B (informative) Scan-derived data not evaluated for comparability with traditional manual measurements.....</b>		<b>62</b>
<b>Bibliography.....</b>		<b>68</b>