

ISO 15831:2004-02 (E)

Clothing - Physiological effects - Measurement of thermal insulation by means of a thermal manikin

Contents		Page
Foreword		iv
1	Scope	1
2	Terms and definitions	1
3	Symbols and units	2
4	Principle	2
5	Apparatus	3
5.1	Manikin	3
5.2	Controlled climatic chamber	4
6	Selection and preparation of test garments	5
7	Test procedure	5
8	Recalibration of the manikin system	6
9	Calculation of test results	6
9.1	General	6
9.2	Serial model -- Surface area weighted thermal insulation	6
9.3	Parallel model -- Surface area averaged thermal insulation	6
10	Precision of results	7
11	Test report	7
Annex A (informative) Calculation of test results		8
Bibliography		11