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Responsible committee: AMT/9 Printed Electronics

Interested committees:

Title: BS EN IEC 63517 Wearable electronic textiles - Test methods for performance of heating products - Heating temperature and power consumption

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

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- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Responsible Committee Secretary: **Committee Service Centre (BSI)**
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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



124/275/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER:

IEC 63517 ED1

DATE OF CIRCULATION:

2024-03-29

CLOSING DATE FOR COMMENTS:

2024-06-21

SUPERSEDES DOCUMENTS:

124/218/NP, 124/237A/RVN

IEC TC 124 : WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES

SECRETARIAT:

Korea, Republic of

SECRETARY:

Mr Jae Yeong Park

OF INTEREST TO THE FOLLOWING COMMITTEES:

PROPOSED HORIZONTAL STANDARD:



Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.

FUNCTIONS CONCERNED:

☐ EMC

☐ ENVIRONMENT

☐ QUALITY ASSURANCE

☐ SAFETY

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Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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TITLE:

Wearable electronic textiles - Test methods for performance of heating products - Heating temperature and power consumption

NOTE FROM TC/SC OFFICERS:

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21	7.2 Heating Temperature	9
22	7.2.1 The thermometers to measure temperature are attached at the selected	
23	measuring points. Each thermometer with copper disk is fixed by means	
24	of thin adhesive tape to not place between the test specimen and the	
25	thermometer.	10
26	7.2.2 The test specimen is covered with a sheet of thermal insulation. The	
27	cover sheet has a thickness of (7 ± 1) mm. The size of the cover sheet	
28	is such that the edges extend at least 20 mm beyond the outline of the	
29	heating area of the test specimen.	10
30	7.2.3 Check the temperature of specimens is constant at the environment	
31	temperature $(20,0 \pm 2,0)$ °C.	10
32	7.2.4 -Turn on the heating device of the test specimen and measure the	
33	temperature of each measuring point at intervals of at least 1 min.	10
34	7.2.5 The measurement duration is at least 2 h. The temperature is checked	
35	at (10 ± 1) min, (30 ± 1) min, $1 \text{ h} \pm 1 \text{ min}$ and $2 \text{ h} \pm 1 \text{ min}$	10
36	7.2.6 Calculate the average maximum and minimum value of the measured	
37	values from 6 measuring points.	10
38	7.2.7 The test specimen is turned off and cooled down. Repeat the test twice	
39	from 7.2.3 to 7.2.7.	10
40	7.2.8 The heating temperature of the specimen is determined as the average	
41	value of the three tests. The results are presented up to one decimal	
42	place.	10
43	7.2.9 When relevant, repeat 7.2.3 to 7.2.8 for each other potential settings of	
44	the heating mode.	10
45	7.3 Power consumption for heating	10
46	7.3.1 The measuring device for power consumption is connected to the test	
47	specimen.	11
48	7.3.2 Test procedure from 7.2.1 to 7.2.4 is conducted.	11