

STN	Nositeľné elektronické zariadenia a technológie Časť 406-1: Skúšobná metóda na meranie povrchovej teploty prenosných elektronických zariadení nosených na zápästí počas kontaktu s ľudskou pokožkou	STN EN IEC 63203-406-1 35 9350
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Wearable electronic devices and technologies - Part 406-1: Test method for measuring surface temperature of wrist-worn wearable electronic devices while in contact with human skin

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/22

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EUROPEAN STANDARD

EN IEC 63203-406-1

NORME EUROPÉENNE

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February 2022

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English Version

**Wearable electronic devices and technologies - Part 406-1: Test
method for measuring surface temperature of wrist-worn
wearable electronic devices while in contact with human skin
(IEC 63203-406-1:2021)**

Technologies et dispositifs électroniques prêts-à-porter -
Partie 406-1 : Méthode d'essai pour le mesurage de la
température de surface des dispositifs électroniques prêts-
à-porter placés au poignet au contact de la peau humaine
(IEC 63203-406-1:2021)

Tragbare elektronische Geräte und Technologien - Teil 406-
1: Prüfverfahren zur Messung der
Oberflächenkontakttemperatur von am Handgelenk
getragenen elektronischen Geräten
(IEC 63203-406-1:2021)

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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 63203-406-1:2022 (E)**European foreword**

The text of document 124/161/FDIS, future edition 1 of IEC 63203-406-1, prepared by IEC/TC 124 "Wearable electronic devices and technologies" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63203-406-1:2022.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62368-1	2018	Audio/video, information and communication technology equipment - Part 1: Safety requirements	EN IEC 62368-1	2020
-	-		AC	2020–05
-	-		A11	2020



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peau humaine**



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Wearable electronic devices and technologies –
Part 406-1: Test method for measuring surface temperature of wrist-worn
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES –**Part 406-1: Test method for measuring surface temperature of wrist-worn wearable electronic devices while in contact with human skin**

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The text of this International Standard is based on the following documents:

Draft	Report on voting
124/161/FDIS	124/168/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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- amended.

WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES –

Part 406-1: Test method for measuring surface temperature of wrist-worn wearable electronic devices while in contact with human skin

1 Scope

This part of IEC 63203 defines the terms, definitions, symbols, configurations, and test methods to be used to specify the standard measurement conditions and methods for determining the contact-surface temperature of wrist-worn wearable electronic devices intended to be worn directly on a human wrist and that can be worn continuously during use. The conditions of the test do not consider perfusion and results are therefore considered conservatively. The temperature increase is induced by the thermal energy of wearable electronic devices during operation. This document gives the general procedure for the test method applicable to various wrist-worn wearable electronic devices for use by ordinary persons which in the context of this document is a healthy human adult.

2 Normative references

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