
Nosljive elektronske naprave in tehnologije - 402-2. del: Merjenje zmogljivosti nosljivih izdelkov za fitnes - Štetje korakov (IEC 63203-402-2:2024)

Wearable electronic devices and technologies - Part 402-2: Performance measurement of fitness wearables - Step counting (IEC 63203-402-2:2024)

Tragbare elektronische Geräte und Technologien - Teil 402-2: Performance Messung von Fitness Wearables - Schrittzählung (IEC 63203-402-2:2024)

Technologies et dispositifs électroniques prêts-à-porter - Partie 402-2: Mesure des performances des dispositifs prêts-à-porter d'activité physique - Podomètres (IEC 63203-402-2:2024)

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ICS:

31.020	Elektronske komponente na splošno	Electronic components in general
31.080.99	Drugi polprevodniški elementi	Other semiconductor devices
59.080.80	Inteligentne tekstilije	Smart textiles

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EN IEC 63203-402-2

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English Version

**Wearable electronic devices and technologies - Part 402-2:
Performance measurement of fitness wearables - Step counting
(IEC 63203-402-2:2024)**

Technologies et dispositifs électroniques prêts-à-porter -
Partie 402-2: Mesure des performances des dispositifs
prêts-à-porter d'activité physique - Podomètres
(IEC 63203-402-2:2024)

Tragbare elektronische Geräte und Technologien - Teil 402-
2: Performance Messung von Fitness Wearables -
Schrittzählung
(IEC 63203-402-2:2024)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 124/249/FDIS, future edition 1 of IEC 63203-402-2, 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 63203-402-2:2024.

The following dates are fixed:

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Part 402-2: Performance measurement of fitness wearables – Step counting**

**Technologies et dispositifs électroniques prêts-à-porter –
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WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES –**Part 402-2: Performance measurement of fitness wearables –
Step counting**

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IEC 63203-402-2 has been prepared by IEC technical committee 124: Wearable electronic devices and technologies. It is an International Standard.

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

Draft	Report on voting
124/249/FDIS	124/262/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/publications.

A list of all parts in the IEC 63203 series, published under the general title *Wearable electronic devices and technologies*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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INTRODUCTION

The step counting feature is a common functionality in wearable devices. The accurate measurement and reporting of the step count is an important factor in the acceptance by consumers of that step count. Data from wearable devices may be useful in helping to improve the health and well-being of consumers that use wearable devices. The usability of the data to improve health outcomes is dependent on the reliability of the data to facilitate their acceptance by consumers and health improvement.

This document defines and provides standard test methods for evaluating the performance and reliability of step counting in wearable devices. The benefit of using this document is that it provides a method to compare the step counting function of a wearable device against the actual step count, which can provide manufacturers with a method to improve the step count functionality of their devices.

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