

**Health informatics - Personal health device
communication - Part 10420: Device specialization -
Body composition analyzer (ISO 11073-10420:2012)**

EESTI STANDARDI EESSÕNA

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English Version

**Health informatics - Personal health device communication -
Part 10420: Device specialization - Body composition analyzer
(ISO 11073-10420:2012)**

Informatique de santé - Communication entre dispositifs de
santé personnels - Partie 10420: Spécialisation de
dispositif - Analyseur de composition corporelle (ISO
11073-10420:2012)

This European Standard was approved by CEN on 20 October 2012.

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Foreword

This document (EN ISO 11073-10420:2012) has been prepared by Technical Committee ISO/TC 215 "Health informatics" in collaboration with Technical Committee CEN/TC 251 "Health informatics" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2013, and conflicting national standards shall be withdrawn at the latest by May 2013.

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The text of ISO 11073-10420:2012 has been approved by CEN as a EN ISO 11073-10420:2012 without any modification.

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Introduction

This introduction is not part of IEEE Std 11073-10420-2010, Health Informatics—Personal health device communication— Part 10420: Device specialization—Body composition analyzer.

ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between medication monitoring devices and managers (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology and information models. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting ambiguity in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth body composition analyzer devices. In this context, body composition analyzer devices are being used broadly to cover body composition analyzer devices that measure body impedances, and compute the various body components including body fat from the impedance.

Health informatics — Personal health device communication —

Part 10420:

Device specialization — Body composition analyzer

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1 Overview

1.1 Scope

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between personal body composition analyzing devices and managers (e.g. cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology and IEEE Std 11073-20601™-2008¹ information models. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth body composition analyzer devices. In this context, body composition analyzer devices are being used broadly to cover body composition analyzer devices that measure body impedances, and compute the various body components including body fat from the impedance.

¹ Information on references can be found in Clause 2.