
**Zdravstvena informatika - Komunikacija osebnih medicinskih naprav - 10417. del:
Specialne naprave - Glukometer (ISO/IEEE 11073-10417:2010)**

Health informatics - Personal health device communication - Part 10417: Device
specialization - Glucose meter (ISO/IEEE 11073-10417:2010)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit -
Teil 10417: Gerätespezifikation - Zuckermessgerät (ISO/IEEE 11073-10417:2010)

Informatique de santé - Communication entre dispositifs de santé personnels - Partie
10417: Spécialisation des dispositifs - Glucomètre (ISO/IEEE 11073-10417:2010)

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dispositifs - Glucomètre (ISO/IEEE 11073-10417:2010)

Medizinische Informatik - Kommunikation von Geräten für
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**Health informatics — Personal health
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Part 10417:

Device specialization — Glucose meter

*Informatique de santé — Communication entre dispositifs de santé
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Partie 10417: Spécialisation des dispositifs — Glucomètre

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ISO/IEEE 11073 consists of the following parts, under the general title *Health informatics — Personal health device communication (text in parentheses gives a variant of subtitle)*:

- *Part 10101: (Point-of-care medical device communication) Nomenclature*
- *Part 10201: Domain information model*
- *Part 10404: Device specialization — Pulse oximeter*

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- *Part 10407: Device specialization — Blood pressure monitor*
- *Part 10408: (Point-of-care medical device communication) Device specialization — Thermometer*
- *Part 10415: (Point-of-care medical device communication) Device specialization — Weighing scale*
- *Part 10417: Device specialization — Glucose meter*
- *Part 10471: (Point-of-care medical device communication) Device specialization — Independent living activity hub*
- *Part 20101: (Point-of-care medical device communication) Application profiles — Base standard*
- *Part 20601: (Point-of-care medical device communication) Application profile — Optimized exchange protocol*
- *Part 30200: (Point-of-care medical device communication) Transport profile — Cable connected*
- *Part 30300: (Point-of-care medical device communication) Transport profile — Infrared wireless*

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Introduction

ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. This document uses the optimized framework created in IEEE Std 11073-20601^a and describes a specific, interoperable communication approach for glucose meters. These standards align with and draw on the existing clinically focused standards to provide support for communication of data from clinical or personal health devices.

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^a For information on references, see Clause 2.

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1. Overview

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1.1 Scope

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Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth glucose meter devices and compute engines (e.g. cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. 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 glucose meters.

1.2 Purpose

This standard addresses a need for an openly defined, independent standard for controlling information exchange to and from personal health devices and compute engines (e.g. cell phones, personal computers, personal health appliances, and set top boxes). Interoperability is the key to growing the potential market for these devices and to enabling people to be better informed participants in the management of their health.