

SLOVENSKI STANDARD
oSIST prEN ISO/IEEE 11073-10419:2026
01-september-2026

**Zdravstvena informatika - Komunikacija osebnih zdravstvenih naprav - 1. del
10419: Specializacija naprav - Inzulinska črpalka (ISO/IEEE FDIS 11073-
10419:2026)**

Health informatics - Personal health device communication - Part 10419: Device
specialization - Insulin pump (ISO/IEEE FDIS 11073-10419:2026)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit -
Teil 10419: Gerätespezifikation - Insulinpumpe (ISO/IEEE FDIS 11073-10419:2026)

Informatique de santé - Communication entre dispositifs de santé personnels - Partie
10419: Spécialisation des dispositifs - Pompe à insuline (ISO/IEEE FDIS 11073-
10419:2026)

Ta slovenski standard je istoveten z: prEN ISO/IEEE 11073-10419

ICS:

11.040.55	Diagnostična oprema	Diagnostic equipment
35.240.80	Uporabniške rešitve IT v zdravstveni tehniki	IT applications in health care technology

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FINAL DRAFT International Standard

ISO/IEEE FDIS 11073-10419

Health informatics — Device interoperability —

Part 10419:

Personal health device communication, device specialization, insulin pump

ISO/TC 215

Secretariat: **ANSI**

Voting begins on:
2026-07-14

Voting terminates on:
2026-12-01

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Published in Switzerland

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IEEE Std 11073-10419™-2023
(Revision of IEEE Std 11073-10419-2017)

Health informatics—Device interoperability

Part 10419: Personal Health Device Communication—Device Specialization—Insulin Pump

Developed by the

IEEE 11073™ Standards Committee
of the
IEEE Engineering in Medicine and Biology Society

6 December 2023

IEEE SA Standards Board

Recognized as an American National Standard

ISO/IEEE 11073-10419:2026(en)

Abstract: Within the context of the ISO/IEEE 11073 family of standards for device communication, a normative definition of communication between personal telehealth insulin pump devices and compute engines (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability, is established in this standard. Appropriate portions of existing standards including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards are leveraged. The use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability are specified. A common core of communication functionality for personal telehealth insulin pump devices is defined.

Keywords: IEEE 11073-10419™, insulin pump, medical device communication, personal health devices

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PDF: ISBN 979-8-8557-0452-5 STD26728
Print: ISBN 979-8-8557-0453-2 STDPD26728

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ISO/IEEE 11073-10419:2026(en)**Introduction**

This introduction is not part of IEEE 11073-10419-2023, Health informatics—Device interoperability—Part 10419: Personal Health Device Communication—Device Specialization—Insulin Pump.

ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. This document uses the optimized framework created in ISO/IEEE 11073-20601⁶ and describes a specific, interoperable communication approach for insulin pumps. 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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⁶For information on references, see Clause 2.