



**SLOVENSKI STANDARD**  
**SIST EN ISO 11073-10419:2016**  
**01-december-2016**

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**Zdravstvena informatika - Komunikacija osebnih medicinskih naprav - 10419. del:  
Specialne naprave - Inzulinska črpalka (ISO/IEEE 11073-10419:2016)**

Health informatics - Personal health device communication - Part 10419: Device specialization - Insulin pump (ISO/IEEE 11073-10419:2016)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit - Teil 10419: Gerätespezifikation - Insulinpumpe (ISO/IEEE 11073-10419:2016)

Informatique de santé - Communication entre dispositifs de santé personnels - Partie 10419: Spécialisation du dispositif - Pompe à insuline (ISO/IEEE 11073-10419:2016)

**Ta slovenski standard je istoveten z: EN ISO 11073-10419:2016**

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**ICS:**

35.240.80	Uporabniške rešitve IT v zdravstveni tehniki	IT applications in health care technology
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EUROPEAN STANDARD

EN ISO 11073-10419

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2016

ICS 35.240.80

English Version

## Health informatics - Personal health device communication - Part 10419: Device specialization - Insulin pump (ISO/IEEE 11073-10419:2016)

Informatique de santé - Communication entre  
dispositifs de santé personnels - Partie 10419:  
Spécialisation du dispositif - Pompe à insuline  
(ISO/IEEE 11073-10419:2016)

Medizinische Informatik - Kommunikation von Geräten  
für die persönliche Gesundheit - Teil 10419:  
Gerätespezifikation - Insulinpumpe (ISO/IEEE 11073-  
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# INTERNATIONAL STANDARD

# ISO/IEEE 11073-10419

First edition  
2016-06-15

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## Health informatics — Personal health device communication —

### Part 10419: Device specialization — Insulin pump

*Informatique de santé — Communication entre dispositifs de santé personnels*

*Partie 10419: Spécialisation du dispositif — Pompe à insuline*

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Reference number  
ISO/IEEE 11073-10419:2016(E)



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Published in Switzerland



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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 10102: (Point-of-care medical device communication) Nomenclature: Annotated ECG*
- *Part 10103: (Point-of-care medical device communication) Nomenclature: Implantable device, cardiac*
- *Part 10201: (Point-of-care medical device communication) Domain information model*
- *Part 10404: Device specialization — Pulse oximeter*
- *Part 10406: Device specialization — Basic electrocardiograph (ECG) (1- to 3-lead ECG)*

## ISO/IEEE 11073-10419:2016(E)

- Part 10407: Device specialization — Blood pressure monitor
- Part 10408: Device specialization — Thermometer
- Part 10415: Device specialization — Weighing scale
- Part 10417: Device specialization — Glucose meter
- Part 10418: Device specialization — International Normalized Ratio (INR) monitor
- Part 10420: Device specialization — Body composition analyzer
- Part 10421: Device specialization — Peak expiratory flow monitor (peak flow)
- Part 10471: Device specialization — Independent living activity hub
- Part 10472: Device specialization — Medication monitor
- Part 20101: (Point-of-care medical device communication) Application profiles — Base standard
- Part 20601: 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
- Part 30400: (Point-of-care medical device communication) Interface profile — Cabled Ethernet
- Part 90101: (Point-of-care medical device communication) Analytical instruments — Point-of-care test
- Part 91064: (Standard communication protocol) Computer-assisted electrocardiography
- Part 92001: (Medical waveform format) — Encoding rules [Technical Specification]

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**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 978-0-7381-9610-7 STD20158  
Print: ISBN 978-0-7381-9611-4 STDPD20158

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