
Zdravstvena informatika - Komunikacija osebnih medicinskih naprav - 10418. del: Specialne naprave - Monitor za mednarodno umerjeno razmerje (INR) (ISO 11073-10418:2014, popravljena različica 2014-05-01)

Health informatics - Personal health device communication - Part 10418: Device specialization: International Normalized Ratio (INR) monitor (ISO 11073-10418:2014, Corrected version 2014-05-01)

Medizinische Informatik - Kommunikation von Geräten für die persönliche Gesundheit - Teil 10418: Gerätespezifikation - Monitor für den international standardisierter Thromboplastinzeit-Quotient (INR) (ISO 11073-10418:2014)

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Informatique de santé - Communication entre dispositifs de santé personnels - Partie 10418: Spécialisation des dispositifs: surveillance du rapport normalisé international (INR) (ISO 11073-10418:2014)

Ta slovenski standard je istoveten z: EN ISO 11073-10418:2014

ICS:

11.040.01	Medicinska oprema na splošno	Medical equipment in general
35.240.80	Uporabniške rešitve IT v zdravstveni tehniki	IT applications in health care technology

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EUROPEAN STANDARD

EN ISO 11073-10418

NORME EUROPÉENNE

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March 2014

ICS 35.240.80

English Version

Health informatics - Personal health device communication - Part
10418: Device specialization - International Normalized Ratio
(INR) monitor (ISO/IEEE 11073-10418:2014, Corrected version
2014-05-01)

Informatique de santé - Communication entre dispositifs
médicaux sur le site des soins - Partie 10418:
Spécialisation des dispositifs - Surveillance du rapport
normalisé international (INR) (ISO/IEEE 11073-10418:2014,
Version corrigée 2014-05-01)

Medizinische Informatik - Kommunikation von Geräten für
die persönliche Gesundheit - Teil 10418:
Gerätespezifikation - Monitor für den international
standardisierter Thromboplastinzeit-Quotient (INR)
(ISO/IEEE 11073-10418:2014, korrigierte Fassung 2014-
05-01)

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INTERNATIONAL
STANDARD

ISO/IEEE
11073-
10418

First edition
2014-03-01

Corrected version
2014-05-01

**Health informatics — Personal health
device communication —**

Part 10418:

**Device specialization: International
Normalized Ratio (INR) monitor**

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*Informatique de santé — Communication entre dispositifs de santé
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*Partie 10418. Spécialisation de dispositif: surveillance du rapport
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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 00103: Overview*
- *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*

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- Part 10406: Device specialization — Basic electrocardiograph (ECG) (1- to 3-lead ECG)
- 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 10441: Device specialization — Cardiovascular fitness and activity monitor
- 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

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Health informatics—Personal health device communication

Part 10418: Device specialization—
International Normalized Ratio (INR) monitor

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Part 10418: Device specialization—
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Abstract: A normative definition of communication between personal telehealth International Normalized Ratio (INR) devices (agents) and managers (e.g. cell phones, personal computers, personal health appliances, and set top boxes) is established in this standard in a manner that enables plug-and-play interoperability. Work done in other ISO/IEEE 11073 standards is leveraged, including existing terminology, information profiles, application profile standards, and transport standards. The use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability is specified. A common core of functionality of INR devices is defined in this standard. In the context of personal health devices, the measurement of the prothrombin time (PT) that is used to assess the level of anticoagulant therapy and its presentation as the International Normalized Ratio compared to the prothrombin time of normal blood plasma is referred to in INR monitoring. Applications of the INR monitor include the management of the therapeutic level of anticoagulant used in the treatment of a variety of conditions. The data modeling and its transport shim layer according to ISO/IEEE 11073-20601:2010 are provided by this standard, and the measurement method is not specified.

Keywords: IEEE 11073-10418, International Normalized Ratio (INR) monitor, medical device communication, personal health devices

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