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

**Part 10422:
Device specialization — Urine
analyser**

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

Partie 10422: Spécialisation des dispositifs — Analyseur d'urine

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Health informatics—Personal health device communication

Part 10422: Device Specialization— Urine Analyzer

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Approved 30 June 2016

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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 urine analyzer devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set-top boxes) is established by this standard in a manner that enables plug-and-play interoperability. Appropriate portions of existing standards are leveraged, including ISO/IEEE 11073 terminology, information models, 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 communication functionality for personal telehealth urine analyzers is defined in this standard.

Keywords: IEEE 11073-10422™, medical device communication, personal health devices, urine analyzer

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Introduction

This introduction is not part of IEEE Std 11073-10422™-2016, Health informatics—Personal health device communication—Part 10422: Device Specialization—Urine Analyzer.

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™-2014 and describes a specific, interoperable communication approach for urine analyzers.¹ 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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¹Information on references can be found in [Clause 2](#).

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