

DIN EN ISO/IEEE 11073-10408:2023-04 (E)

Health informatics - Device interoperability - Part 10408: Personal health device communication - Device specialization - Thermometer (ISO/IEEE 11073-10408:2022); English version EN ISO/IEEE 11073-10408:2022

Contents	Page
1. Overview	12
1.1 Scope	12
1.2 Purpose	12
1.3 Context.....	12
1.4 Word usage	13
2. Normative references.....	13
3. Definitions, acronyms, and abbreviations.....	14
3.1 Definitions	14
3.2 Acronyms and abbreviations.....	14
4. Introduction to ISO/IEEE 11073 personal health devices	15
4.1 General.....	15
4.2 Introduction to IEEE 11073-20601 modeling constructs.....	15
4.3 Compliance with other standards.....	16
5. Thermometer device concepts and modalities.....	16
5.1 General.....	16
5.2 Body temperature.....	17
6. Thermometer domain information model.....	17
6.1 Overview	17
6.2 Class extensions.....	17
6.3 Object instance diagram.....	17
6.4 Types of configuration.....	18
6.5 Medical device system object	19
6.6 Numeric objects.....	23
6.7 Real-time sample array objects.....	26
6.8 Enumeration objects	26
6.9 PM store objects	26
6.10 Scanner objects	26
6.11 Class extension objects.....	26
6.12 Thermometer information model extensibility rules.....	26
7. Thermometer service model	27
7.1 General.....	27
7.2 Object access services.....	27
7.3 Object access event report services.....	29
8. Thermometer communication model.....	29
8.1 Overview	29
8.2 Communications characteristics	29
8.3 Association procedure.....	30
8.4 Configuring procedure.....	31

8.5 Operating procedure	33
8.6 Time synchronization	34
9. Test associations	34
9.1 General.....	34
9.2 Behavior with standard configuration.....	34
9.3 Behavior with extended configurations	34
10. Conformance	34
10.1 Applicability	34
10.2 Conformance specification	35
10.3 Levels of conformance.....	35
10.4 Implementation conformance statements.....	36
Annex A (informative) Bibliography	41
Annex B (normative) Any additional ASN.1 definitions	42
Annex C (normative) Allocation of identifiers	43
Annex D (informative) Message sequence examples	44
Annex E (informative) Protocol data unit examples.....	46
Annex F (informative) Revision history.....	54