

# ISO/IEEE 11073-10408:2022-12 (E)

## Health informatics - Device interoperability - Part 10408: Personal health device communication - Device specialization - Thermometer

---

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