

# DIN EN ISO 11073-10408:2011-07 (E)

Health informatics - Personal health device communication - Part 10408: Device specialization - Thermometer (ISO/IEEE 11073-10408:2010); English version EN ISO 11073-10408:2011

---

<b>Contents</b>	<b>Page</b>
Foreword.....	4
Introduction.....	5
1. Overview.....	6
1.1 Scope.....	6
1.2 Purpose.....	6
1.3 Context.....	7
2. Normative references.....	7
3. Definitions, acronyms, and abbreviations.....	7
3.1 Definitions.....	7
3.2 Acronyms and abbreviations.....	8
4. Introduction to ISO/IEEE 11073 personal health devices.....	8
4.1 General.....	8
4.2 Introduction to IEEE 11073-20601 modeling constructs.....	9
5. Thermometer device concepts and modalities.....	9
5.1 General.....	9
5.2 Body temperature.....	10
6. Thermometer domain information model.....	10
6.1 Overview.....	10
6.2 Class extensions.....	10
6.3 Object instance diagram.....	10
6.4 Types of configuration.....	11
6.5 Medical device system object.....	12
6.6 Numeric objects.....	15
6.7 Real-time sample array objects.....	17
6.8 Enumeration objects.....	17
6.9 PM store objects.....	17
6.10 Scanner objects.....	17
6.11 Class extension objects.....	17
6.12 Thermometer information model extensibility rules.....	18
7. Thermometer service model.....	18
7.1 General.....	18
7.2 Object access services.....	18
7.3 Object access event report services.....	19
8. Thermometer communication model.....	20
8.1 Overview.....	20
8.2 Communications characteristics.....	20
8.3 Association procedure.....	20
8.4 Configuring procedure.....	22
8.5 Operating procedure.....	23
8.6 Time synchronization.....	24

<b>9. Test associations.....</b>	<b>24</b>
<b>9.1 Behavior with standard configuration .....</b>	<b>24</b>
<b>9.2 Behavior with extended configurations.....</b>	<b>24</b>
<b>10. Conformance.....</b>	<b>24</b>
<b>10.1 Applicability .....</b>	<b>24</b>
<b>10.2 Conformance specification .....</b>	<b>25</b>
<b>10.3 Levels of conformance .....</b>	<b>25</b>
<b>10.4 Implementation conformance statements .....</b>	<b>26</b>
<b>Annex A (informative) Bibliography .....</b>	<b>31</b>
<b>Annex B (normative) Any additional ASN.1 definitions.....</b>	<b>32</b>
<b>Annex C (normative) Allocation of identifiers .....</b>	<b>33</b>
<b>Annex D (informative) Message sequence examples.....</b>	<b>34</b>
<b>Annex E (informative) Protocol data unit examples .....</b>	<b>36</b>