

# DIN EN ISO/IEEE 11073-10415:2023-04 (E)

## Health informatics - Device interoperability - Part 10415: Personal health device communication - Device specialization - Weighing scale (ISO/IEEE 11073-10415:2022); English version EN ISO 11073-10415:2022

---

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. Weighing scale device concepts and modalities.....	16
5.1 General .....	16
5.2 Body weight.....	16
5.3 Body height .....	17
5.4 Body mass index.....	17
6. Weighing scale domain information model.....	17
6.1 Overview .....	17
6.2 Class extensions.....	17
6.3 Object instance diagram .....	17
6.4 Types of configuration.....	19
6.5 Medical device system object.....	20
6.6 Numeric objects.....	23
6.7 Real-time sample array objects.....	28
6.8 Enumeration objects .....	28
6.9 PM-store objects.....	28
6.10 Scanner objects.....	28
6.11 Class extension objects.....	28
6.12 Weighing scale information model extensibility rules .....	28
7. Weighing scale service model.....	29
7.1 General .....	29
7.2 Object access services.....	29
7.3 Object access event report services .....	31
8. Weighing scale communication model.....	31
8.1 Overview .....	31
8.2 Communications characteristics .....	31

8.3 Association procedure .....	32
8.4 Configuring procedure.....	34
8.5 Operating procedure .....	35
8.6 Time synchronization .....	36
9. Test associations .....	36
9.1 General .....	36
9.2 Behavior with standard configuration.....	36
9.3 Behavior with extended configurations .....	36
10. Conformance .....	37
10.1 Applicability .....	37
10.2 Conformance specification .....	37
10.3 Levels of conformance .....	37
10.4 Implementation conformance statements .....	38
Annex A (informative) Bibliography .....	43
Annex B (normative) Any additional ASN.1 definitions .....	44
Annex C (normative) Allocation of identifiers.....	45
Annex D (informative) Message sequence examples.....	46
Annex E (informative) Protocol data unit examples .....	48
Annex F (informative) Revision history.....	58