

DIN EN ISO 11073-10418:2014-06 (E)

Health informatics - Personal health device communication - Part 10418: Device specialization - International Normalized Ratio (INR) monitor (ISO/IEEE 11073-10418:2014); English version EN ISO 11073-10418:2014

Contents		Page
1.	Overview	6
1.1	Scope	7
1.2	Purpose	7
1.3	Context	7
2.	Normative references	7
3.	Definitions, acronyms, and abbreviations	8
3.1	Definitions	8
3.2	Acronyms and abbreviations	8
4.	Introduction to ISO/IEEE 11073 personal health devices	9
4.1	General	9
4.2	Introduction to ISO/IEEE 11073-20601 modeling constructs	10
4.3	Compliance with other standards	10
5.	INR monitor device concepts and modalities	10
5.1	General	11
5.2	Prothrombin time	11
5.3	Quick value	11
5.4	International Sensitivity Index (ISI)	11
5.5	International Normalized Ratio	11
5.6	Control calibration	12
5.7	Batch/code number	12
5.8	Device and sensor status	12
5.9	Device alarm conditions	12
5.10	INR value out of bounds	12
5.11	Extended capabilities	12
5.12	Target level for INR	12
5.13	Current level of medication	13
5.14	Recommended new level of medication	13
5.15	Context information	13
6.	International Normalized Ratio monitor domain information model	13
6.1	Overview	13
6.2	Class extensions	13
6.3	Object instance diagram	13
6.4	Types of configuration	1
6.5	Medical device system object	15
6.6	Numeric objects	19
6.7	Real-time sample array objects	25
6.8	Enumeration objects	25
6.9	PM-store objects	29
6.10	Scanner objects	32
6.11	Class extension objects	32
6.12	INR monitor information model extensibility rules	32
Foreword		4

Introduction	5
10 7. INR monitor service model	33
7.1 General	33
7.2 Object access services	33
7.3 Object access event report services	35
8. INR monitor communication model	35
8.1 Overview	35
8.2 Communications characteristics	35
8.3 Association procedure	36
8.4 Configuring procedure	37
8.5 Operating procedure	39
8.6 Time synchronization	39
9. Test associations	39
9.1 Behavior with standard configuration	40
9.2 Behavior with extended configurations	40
10. Conformance	40
10.1 Applicability	40
10.2 Conformance specification	40
10.3 Levels of conformance	41
10.4 Implementation conformance statements	41
Annex A (informative) Bibliography	47
Annex B (normative) Any additional ASN.1 definitions	48
Annex C (normative) Allocation of identifiers	49
Annex D (informative) Message sequence examples	52
Annex E (informative) Protocol data unit examples	54
Annex F (informative) IEEE list of participants	54