

DIN EN 13486:2024-10 (E)

Temperature recorders and thermometers for measuring the ambient or internal temperature for the transport, storage and distribution of temperature sensitive goods - Periodic verification

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms, definitions and abbreviations	4
3.1	Terms and definitions	4
3.2	Abbreviations	5
4	Frequency and kind of verification	5
5	Method of verification of temperature measurement	7
5.1	General	7
5.2	Environmental conditions	7
5.3	Working standard	7
5.4	Additional equipment	7
5.5	Procedure	7
5.5.1	General	7
5.5.2	Preliminary operations	7
5.5.3	Verification measurement(s)	8
5.6	Condition of acceptance	9
6	Method of verification of duration of temperature recordings	9
6.1	General	9
6.2	Verification of recording duration by making a test recording	10
6.3	Verification of recording duration by other means	11
6.4	Conditions of acceptance of duration	11
7	Functional test for recorders with cloud Solution as a Service (SaaS) approach regarding storage and display	11
8	Expression of results	11
Annex A (informative) Example of verification report		12
Annex B (informative) Life cycle sheet		14
Annex C (informative) Guidance to determine accordance with this document		15
Annex D (informative) Guidance to determine the expanded uncertainty		16
Bibliography		18