



BSI Standards Publication

Industrial- process measurement and control — Data structures and elements in process equipment catalogues

Part 1: Generic structures for measuring equipment

This is a preview of BS EN IEC 61987-1:2024. [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN IEC 61987-1:2024. It is identical to IEC 61987-1:2024. It supersedes BS EN 61987-1:2007, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/65/5, Devices and integration in enterprise systems.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
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EUROPÄISCHE NORM

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Supersedes EN 61987-1:2007

English Version

Industrial-process measurement and control - Data structures
and elements in process equipment catalogues - Part 1: Generic
structures for measuring equipment
(IEC 61987-1:2024)

Mesure et commande dans les processus industriels -
Éléments et structures de données dans les catalogues
d'équipements de processus - Partie 1: Structures
génériques pour équipements de mesure
(IEC 61987-1:2024)

Industrielle Leittechnik - Datenstrukturen und -elemente in
Katalogen der Prozessleittechnik - Teil 1: Generische
Strukturen für Messeinrichtungen
(IEC 61987-1:2024)

This European Standard was approved by CENELEC on 2024-11-27. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of document 65E/1113/FDIS, future edition 2 of IEC 61987-1, prepared by SC 65E "Devices and integration in enterprise systems" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61987-1:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-11-30 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-11-30 document have to be withdrawn

This document supersedes EN 61987-1:2007 and all of its amendments and corrigenda (if any).

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 61987-1:2024 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60068 (series) NOTE Approved as EN 60068 (series)

IEC 60873-1:2003 NOTE Approved as EN 60873-1:2004 (not modified)

IEC 61082-1:2014 NOTE Approved as EN 61082-1:2015 (not modified)

IEC 61508 (series) NOTE Approved as EN 61508 (series)

IEC 61987-10:2009 NOTE Approved as EN 61987-10:2009 (not modified)

IEC 62828 (series) NOTE Approved as EN IEC 62828 (series)

IEC 82045-1:2001 NOTE Approved as EN 82045-1:2001 (not modified)

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(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May 1993	
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 60654-1	1993	Industrial-process measurement and control equipment - Operating conditions - Part 1: Climatic conditions	EN 60654-1	1993
IEC 60721-3	series	Classification of environmental conditions - EN IEC 60721-3 Classification of groups of environmental parameters and their severities		series
IEC 60751	2022	Industrial platinum resistance thermometers and platinum temperature sensors	EN IEC 60751	2022
IEC/TR 61000-1-1	2023	Electromagnetic compatibility (EMC) - Part - 1: General - Section 1: Application and interpretation of fundamental definitions and terms		-
IEC 61069	series	Industrial-process measurement, control and automation - Evaluation of system properties for the purpose of system assessment	EN 61069	series
IEC 61298	series	Process measurement and control devices - General methods and procedures for evaluating performance	EN 61298	series
IEC 61326	series	Electrical equipment for measurement, control and laboratory use - EMC requirements	EN IEC 61326	series

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		control - Data structures and elements in process equipment catalogues - Part 11: List of properties (LOPs) of measuring equipment for electronic data exchange - Generic structures	
ISO 3511-1	1977	Process measurement control functions and instrumentation; Symbolic representation - Part 1: Basic requirements	-

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