



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61987-1:2007

ICS 25.040.40
35.240.50

**INDUSTRIAL-PROCESS MEASUREMENT
AND CONTROL - DATA STRUCTURES AND
ELEMENTS IN PROCESS EQUIPMENT
CATALOGUES -- PART 1: MEASURING
EQUIPMENT WITH ANALOGUE AND
DIGITAL OUTPUT (IEC 61987-1:2006 (EQV))**

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*This Irish Standard was
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comes into effect on:
13 March 2007*

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61987-1

February 2007

ICS 25.040.40;35.240.50

English version

**Industrial-process measurement and control -
Data structures and elements in process equipment catalogues -
Part 1: Measuring equipment with analogue and digital output
(IEC 61987-1:2006)**

Mesure et commande
dans les processus industriels -
Structures et éléments de données
dans les catalogues d'équipement
de processus -
Partie 1: Equipement de mesure
à sortie analogique et numérique
(CEI 61987-1:2006)

Industrielle Leittechnik -
Datenstrukturen und -elemente
in Katalogen der Prozessleittechnik -
Teil 1: Messeinrichtungen mit analogen
und digitalen Ausgängen
(IEC 61987-1:2006)

This European Standard was approved by CENELEC on 2007-02-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 65B/599/FDIS, future edition 1 of IEC 61987-1, prepared by SC 65B, Devices & process analysis, of IEC TC 65, Industrial-process measurement and control, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61987-1 on 2007-02-01.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2007-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-02-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61987-1:2006 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 standards indicated:

IEC 60068	NOTE Harmonized in EN 60068 series (not modified).
IEC 60751	NOTE Harmonized as EN 60751:1995 (not modified).
IEC 60770-2	NOTE Harmonized as EN 60770-2:2003 (not modified).
IEC 61082	NOTE Harmonized in EN 61082 series (not modified).
IEC 61326	NOTE Harmonized in EN 61326 series (not modified).
IEC 61360	NOTE Harmonized in EN 61360 series (not modified).
IEC 82045-1	NOTE Harmonized as EN 82045-1:2001 (not modified).
ISO 8879	NOTE Harmonized as EN 28879:1990 (not modified).
ISO 10303-21	NOTE Harmonized as ENV ISO 10303-21:1995 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<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
A1	1999		+ corr. May A1	1993 2000
IEC 60559	1989	Binary floating-point arithmetic for microprocessor systems	HD 592 S1	1991
IEC 60654-1	1993	Industrial-process measurement and control equipment - Operating conditions - Part 1: Climatic conditions	EN 60654-1	1993
IEC 60770-1	1999	Transmitters for use in industrial-process control systems - Part 1: Methods for performance evaluation	EN 60770-1	1999
IEC 61000-4	Series	Electromagnetic compatibility (EMC)	EN 61000-4	Series
IEC 61069	Series	Industrial-process measurement and control - 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
ISO 3511-1	1977	Process measurement control functions and instrumentation - Symbolic representation - Part 1: Basic requirements	-	-

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