



Irish Standard  
I.S. EN 61298-3:2008

Process measurement and control  
devices - General methods and  
procedures for evaluating performance  
-- Part 3: Tests for the effects of  
influence quantities (IEC 61298-3:2008  
(EQV))

## I.S. EN 61298-3:2008

*Incorporating amendments/corrigenda issued since publication:*

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**Process measurement and control devices -  
General methods and procedures for evaluating performance -  
Part 3: Tests for the effects of influence quantities  
(IEC 61298-3:2008)**

Dispositifs de mesure  
et de commande de processus -  
Méthodes et procédures générales  
d'évaluation des performances -  
Partie 3: Essais pour la détermination  
des effets des grandeurs d'influence  
(CEI 61298-3:2008)

Prozessmess-, -steuer- und -regelgeräte -  
Allgemeine Methoden und Verfahren für  
die Bewertung des Betriebsverhaltens -  
Teil 3: Prüfungen der Auswirkungen  
von Einflussgrößen  
(IEC 61298-3:2008)

This European Standard was approved by CENELEC on 2008-11-01. 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.

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**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**

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### **Foreword**

The text of document 65B/687/FDIS, future edition 2 of IEC 61298-3, prepared by SC 65B, Devices & process analysis, of IEC TC 65, Industrial-process measurement, control and automation, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61298-3 on 2008-11-01.

This European Standard supersedes EN 61298-3:1998.

EN 61298-3:2008 is a general revision with respect to EN 61298-3:1998 and does not include any significant changes (see Introduction).

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) 2009-08-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2011-11-01

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 61298-3:2008 was approved by CENELEC as a European Standard without any modification.

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## 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 60050-300	- <sup>1)</sup>	International Electrotechnical Vocabulary (IEV) - Electrical and electronic measurements and measuring instruments - Part 311: General terms relating to measurements - Part 312: General terms relating to electrical measurements - Part 313: Types of electrical measuring instruments - Part 314: Specific terms according to the type of instrument	-	-
IEC 60050-351	- <sup>1)</sup>	International Electrotechnical Vocabulary (IEV) - Part 351: Control technology	-	-
IEC 60068-2-1	- <sup>1)</sup>	Environmental testing - Part 2-1: Tests - Test A: Cold	EN 60068-2-1	2007 <sup>2)</sup>
IEC 60068-2-2	- <sup>1)</sup>	Environmental testing - Part 2-2: Tests - Test B: Dry heat	EN 60068-2-2	2007 <sup>2)</sup>
IEC 60068-2-6	- <sup>1)</sup>	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	2008 <sup>2)</sup>
IEC 60068-2-30	- <sup>1)</sup>	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	EN 60068-2-30	2005 <sup>2)</sup>
IEC 60068-2-31	- <sup>1)</sup>	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens	EN 60068-2-31	2008 <sup>2)</sup>
IEC 60654-1	1993	Industrial-process measurement and control equipment - Operating conditions - Part 1: Climatic conditions	EN 60654-1	1993
IEC 60654-2 + A1	1979 1992	Operating conditions for industrial-process measurement and control equipment - Part 2: Power	EN 60654-2	1997
IEC 60654-3	1983	Operating conditions for industrial-process measurement and control equipment - Part 3: Mechanical influences	EN 60654-3	1997

<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61000-4-2	1995	Electromagnetic compatibility (EMC) -	EN 61000-4-2	1995
A1	1998	Part 4-2: Testing and measurement	A1	1998
A2	2000	techniques - Electrostatic discharge immunity test	A2	2001
IEC 61000-4-3	2002	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3 <sup>3)</sup>	2002
IEC 61000-4-4	2004	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	2004
IEC 61000-4-5	1995	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5 <sup>4)</sup>	1995
IEC 61000-4-6 + A1	2003	Electromagnetic compatibility (EMC) -		
+ A2	2004	Part 4-6: Testing and measurement		
	2006	techniques - Immunity to conducted disturbances, induced by radio-frequency fields	EN 61000-4-6 + corr. August	2007 2007
IEC 61000-4-8	1993	Electromagnetic compatibility (EMC) -	EN 61000-4-8	1993
A1	2000	Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	A1	2001
IEC 61000-4-11	2004	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests	EN 61000-4-11	2004
IEC 61298-1	2008	Process measurement and control devices - General methods and procedures for evaluating performance - Part 1: General considerations	EN 61298-1	2008
IEC 61298-2	2008	Process measurement and control devices - General methods and procedures for evaluating performance - Part 2: Tests under reference conditions	EN 61298-2	2008
IEC 61298-4	2008	Process measurement and control devices - General methods and procedures for evaluating performance - Part 4: Evaluation report content	EN 61298-4	2008
IEC 61326	Series	Electrical equipment for measurement, control and laboratory use - EMC requirements	EN 61326	Series
IEC 61326-1	2005	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements	EN 61326-1	2006

<sup>3)</sup> EN 61000-4-3 is superseded by EN 61000-4-3:2006, which is based on IEC 61000-4-3:2006.

<sup>4)</sup> EN 61000-4-5 is superseded by EN 61000-4-5:2006, which is based on IEC 61000-4-5:2005.

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