

BS EN 62059-32-1:2012



BSI Standards Publication

# Electricity metering equipment — Dependability

Part 32-1: Durability — Testing of the stability of metrological characteristics by applying elevated temperature

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**National foreword**

This British Standard is the UK implementation of EN 62059-32-1:2012. It is identical to IEC 62059-32-1:2011.

The UK participation in its preparation was entrusted to Technical Committee PEL/13, Electricity Meters.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with a British Standard cannot confer immunity from legal obligations.**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

# EN 62059-32-1

March 2012

ICS 17.220; 19.020; 91.140.50

English version

**Electricity metering equipment -  
Dependability -  
Part 32-1: Durability -  
Testing of the stability of metrological characteristics by applying  
elevated temperature  
(IEC 62059-32-1:2011)**

Appareils de comptage d'électricité -  
Sûreté de fonctionnement -  
Partie 32-1: Durabilité -  
Contrôle de stabilité des caractéristiques  
métrologiques en appliquant une  
température élevée  
(CEI 62059-32-1:2011)

Elektrizitätszähler -  
Zuverlässigkeit -  
Teil 32-1: Haltbarkeit -  
Prüfung der Stabilität der metrologischen  
Eigenschaften unter Anwendung erhöhter  
Temperatur  
(IEC 62059-32-1:2011)

This European Standard was approved by CENELEC on 2012-01-11. 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.

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## CENELEC

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

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## Foreword

The text of document 13/1483/FDIS, future edition 1 of IEC 62059-32-1, prepared by IEC/TC 13, "Electrical energy measurement, tariff- and load control", was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62059-32-1:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-10-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-01-11

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

## Endorsement notice

The text of the International Standard IEC 62059-32-1:2011 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 62053-11:2003 | NOTE | Harmonized as EN 62053-11:2003 (not modified).  |
| IEC 62053-22:2003 | NOTE | Harmonized as EN 62053-22:2003 (not modified).  |
| IEC 62053-23:2003 | NOTE | Harmonized as EN 62053-23:2003 (not modified).  |
| IEC 62055-31:2005 | NOTE | Harmonized as EN 62055-31:2005 ((not modified). |

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 60068-2-2      | 2007        | Environmental testing -<br>Part 2-2: Tests - Test B: Dry heat                                                                         | EN 60068-2-2 | 2007        |
| IEC 62052-11       | 2003        | Electricity metering equipment (AC) - General requirements, tests and test conditions -<br>Part 11: Metering equipment                | EN 62052-11  | 2003        |
| IEC 62053-21       | 2003        | Electricity metering equipment (a.c.) -<br>Particular requirements -<br>Part 21: Static meters for active energy<br>(classes 1 and 2) | EN 62053-21  | 2003        |

## **Annex ZZ** (informative)

### **Coverage of Essential Requirements of EU Directives**

This European Standard has been prepared under the mandate M/374 given to CENELEC by the European Commission and within its scope, this part 32-1 of EN 62059 specifies a method for testing the stability of metrological characteristics of electricity meters, suitable for verification of conformity with the durability requirements.

The standard covers the Essential Requirement 5, *Durability*, Annex I of the Directive 2004/22/EC of the European Parliament and of the council of 31 March 2004 on measuring instruments (MID):

*“A measuring instrument shall be designed to maintain an adequate stability of its metrological characteristics over a period of time estimated by the manufacturer, provided that it is properly installed, maintained and used according to the manufacturer's instruction when in the environmental conditions for which it is intended.”*

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directives concerned.

**WARNING** - Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.