

D.C. bridges for measuring resistance

The European Standard EN 60564:1993 with the incorporation of amendment A2:1997 has the status of a British Standard

ICS 17.220.20

Committees responsible for this British Standard

The Power Electrical Engineering Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

- Associated Offices Technical Committee
- Association of Short Circuit Testing Authorities
- British Electrical and Allied Manufacturers' Association (BEAMA)
- British Railways Board
- British Steel Corporation
- Department of Energy (Electricity)*
- Electrical Contractors' Association
- Electrical Contractors' Association of Scotland
- Electrical Research Association
- Electricity Supply Industry in England and Wales*
- Engineering Equipment Users' Association
- Institute of Purchasing and Supply
- Institution of Electrical Engineers*
- Ministry of Defence*
- National Coal Board
- National Economic Development Office

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Association of Consulting Engineers
- Association of Supervisory and Executive Engineers
- British Industrial Measuring and Control Apparatus Manufacturers' Association
- Department of Industry (British Calibration Service)
- Department of Industry (National Physical Laboratory)
- Electrical Power Engineers' Association
- Electronic Components Industry Federation
- Engineering Teaching Equipment Manufacturers' Association
- Post Office
- Scientific Instrument Manufacturers' Association
- Individual expert

This British Standard, having been prepared under the direction of the Power Electrical Engineering Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 July, 1979

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Amendments issued since publication

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National foreword

This British Standard has been prepared by Technical Committee PEL/85 (formerly PEL/13) and is the English language version of BS EN 60564:1993 including amendment A2:1997. It is identical with IEC 564:1977 including amendment A1:1981 and amendment A2:1997.

Terminology and conventions. The text of the international standard has been approved as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are not identical with those used in British Standards; attention is especially drawn to the following. The abbreviation “ppm” denotes parts in 10⁶.

Textual note. There is no abbreviation specified in IEC 61010-1 amendment 2 for pollution degree. Suggested alternative “PD” has been used.

The British Standards which implement international or European publications referred to in this document may be found in the BSI *Standards Catalogue* under the section entitled “International Standards Correspondence Index” or using the “Find” facility of the BSI *Standards Electronic Catalogue*.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Descriptors: Measuring instrument, resistance measurement, bridge for measuring resistance, DC bridge

English version

D.C. bridges for measuring resistance

(Includes amendment A2:1997)
(IEC 564:1977 + A1:1981 and A2:1997)

Ponts à courant continu pour mesure de
résistance fixes
(Inclut l'amendement A2:1997)
(CEI 564:1977 + A1:1981 et A2:1997)

Gleichstrom-Widerstandsmeßbrücken
(Enthält Änderung A2:1997)
(IEC 564:1977 + A1:1981 und A2:1997)

This European Standard was approved by CENELEC on 1993-03-09; amendment A2 was approved by CENELEC on 1997-10-01. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and 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

At the request of 72 Technical Board, HD 615 S1:1992 (IEC 564:1977 + A1: 1981) was submitted to the CENELEC voting procedure for conversion into a European Standard.

The text of the International Standard was approved by CENELEC as EN 60564 on 9 March 1993.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1994-03-01
- latest date of withdrawal of conflicting national standards (dow) —

Annexes designated “normative” are part of the body of the standard. In this standard, Annex ZA is normative.

Foreword to amendment A2

The text of document 85/170/FDIS, future amendment 2 to IEC 60564:1977, prepared by IEC TC 85, Measuring equipment for electromagnetic quantities, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 60564:1993 on 1997-10-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1998-07-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1998-07-01

For products which have complied with EN 60564:1993 before 1998-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2003-07-01.

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