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BS 89 : Part 3 : 1990
EN 60 051-3 : 1989
IEC 51-3 : 1984

UDC : 621.317.784.037.33

British Standard

Direct acting indicating analogue electrical measuring instruments and their accessories

Part 3. Specification for special requirements for wattmeters and varmeters

Appareils mesureurs électriques indicateurs analogiques à action directe et leurs accessoires
Troisième partie. Prescriptions particulières pour les wattmètres et les varmètres — Spécifications
Direkt wirkende anzeigende elektrische Meßgeräte und ihr Zubehör Meßgeräte mit Skalenanzeige
Teil 3. Spezielle Anforderungen für Wirk- und Blindleistungs — Meßgeräte

This European Standard EN 60 051-3 has the status of a British Standard

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National foreword

This British Standard has been prepared under the direction of the Power Electrical Engineering Standards Policy Committee and is the English language version of EN 60 051-3 'Direct acting indication analogue electrical measuring instruments and their accessories – Part 3 : Special requirements for wattmeters and varimeters', published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical to the English language version of IEC Publication 51-3 published by the International Electrotechnical Commission (IEC) as amended by the editorial corrections listed in the technical text source on page 2.

For the purposes of this British Standard, any references to the IEC page numbers in the text should be ignored.

This Part of BS 89 together with Parts 1, 2, 4, 5, 6, 7, 8 and 9 of the standard supersedes BS 89 : 1977, which is withdrawn.

BS 89 comprises the following Parts, which will be the English language version of the listed European Standards.

European Standard	Corresponding Part of BS 89
EN 60 051-1	Part 1 Specification for definitions and general requirements common to all Parts
EN 60 051-2	Part 2 Specification for special requirements for ammeters and voltmeters
EN 60 051-4	Part 4 Specification for special requirements for frequency meters
EN 60 051-5	Part 5 Specification for special requirements for phase meters, power factor meters and synchrosopes
EN 60 051-6	Part 6 Specification for special requirements for ohmmeters (impedance meters) and conductance meters
EN 60 051-7	Part 7 Specification for special requirements for multi-function instruments
EN 60 051-8	Part 8 Specification for special requirements for accessories
EN 60 051-9	Part 9 Recommended test methods

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Amendment No. 1
published and effective from 15 August 1995
to BS 89 : Part 3 : 1990

Direct acting indicating analogue electrical measuring
instruments and their accessories
Part 3. Specification for special requirements for wattmeters
and varmeters

NOTE. The English language version of European Standard EN 60051-3 : 1989 was implemented in the United Kingdom by the publication of BS 89 : Part 3 : 1990. This amendment implements Amendment A1 to EN 60051-3 : 1989.

This amendment together with European Standard EN 60051-3 : 1989 has the status of a British Standard.

Revised text

National foreword

In paragraph 1, line 3, after 'and varmeters', insert 'including Amendment A1'.

At the end of paragraph 2 insert the following new paragraph.

In 1995 the European Committee for Electrotechnical Standardization (CENELEC) accepted Amendment 1 : 1994 to IEC 51-3 : 1984 as amendment A1 : 1995 to EN 60051-3 : 1989.

AMD 8749/August 1995

EN amendment title page and foreword

After the EN title page and foreword, insert the attached EN amendment title page (foreword on reverse).

AMD 8749/August 1995

Table I-3

In note 3), delete the first two lines and substitute the following.

The difference between any two line-to-line voltages and between any two line-to-neutral voltages shall not exceed 1 % of the average (line-to-line and line-to-neutral voltages, respectively).

AMD 8749/August 1995

UDC 621.317.784.037.33

ICS 17.220.20

Descriptors: Electrical measuring instruments, analogue indicating instruments, direct acting measuring instruments, accessories for electrical measuring instruments, wattmeters, varimeters

English version

**Direct acting indicating analogue electrical measuring
instruments and their accessories**
Part 3: Special requirements for wattmeters and varimeters

(IEC 51-3:1984/A1:1994)

Appareils mesureurs électriques indicateurs
analogiques à action directe et leurs accessoires
Partie 3: Prescriptions particulières pour les
wattmètres et varmètres
(CEI 51-3:1984/A1:1994)

Direkt wirkende anzeigende elektrische
Meßgeräte und ihr Zubehör Meßgeräte mit
Skalanzeige
Teil 3: Spezielle Anforderungen für Wirk- und
Blindeistungs-Meßgeräte
(IEC 51-3:1984/A1:1994)

This amendment A1 modifies the European Standard EN 60051-3:1989. It was approved by CENELEC on 1994-10-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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

The text of document 85(CO)63, future amendment 1 to IEC 51-3 : 1984, 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 A1 to EN 60051-3 : 1989 on 1994-10-04.

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) 1994-10-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1995-10-01

For products which have complied with EN 60051-3 : 1989 before 1995-10-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-10-01.

UDC : 621.317.784.037.33

Key words : Electrical measuring instruments; analogue indicating instruments; direct acting measuring instruments; accessories for electrical measuring instruments; wattmeters; varimeters

English version

Direct acting indicating analogue electrical measuring instruments and their accessories

Part 3 : Special requirements for wattmeters and varimeters

(IEC 51-3 (1984) edition 4)

Appareils mesureurs électriques indicateurs analogiques à action directe et leurs accessoires
Troisième partie : Prescriptions particulières pour les wattmètres et les varimètres
(CEI 51-3 (1984) édition 4)

Direkt wirkende anzeigende elektrische Meßgeräte und ihr Zubehör Meßgeräte mit Skalenanzeige
Teil 3 : Spezielle Anforderungen für wirk- und Blindleistungs — Meßgeräte
(IEC 51-3 (1984) Ausgabe 4)

This European Standard was ratified by CENELEC on 11 September 1989. CENELEC members are bound to comply with the requirements of the CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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

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