



SLOVENSKI STANDARD SIST EN IEC 61788-23:2024

01-september-2024

Superprevodnost - 23. del: Meritve deleža preostale upornosti - Delež preostale upornosti niobijskih superprevodnikov (IEC 61788-23:2024)

Superconductivity - Part 23: Residual resistance ratio measurement - Residual resistance ratio of cavity-grade Nb superconductors (IEC 61788-23:2024)

Supraleitfähigkeit - Teil 23: Messung des Restwiderstandsverhältnisses - Restwiderstandsverhältnis von hochreinen Nb-Supraleitern für Kavitäten (IEC 61788-23:2024)

Supraconductivité - Partie 23: Mesurage du rapport de résistance résiduelle - Rapport de résistance résiduelle des supraconducteurs de Nb à cavités (IEC 61788-23:2024)

Ta slovenski standard je istoveten z: IEC EN IEC 61788-23:2024

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ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
29.050	Superprevodnost in prevodni materiali	Superconductivity and conducting materials

SIST EN IEC 61788-23:2024

en

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NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61788-23

June 2024

ICS 17.220; 29.050

Supersedes EN IEC 61788-23:2021

English Version

**Superconductivity - Part 23: Residual resistance ratio
measurement - Residual resistance ratio of cavity-grade Nb
superconductors
(IEC 61788-23:2024)**

Supraconductivité - Partie 23: Mesurage du rapport de
résistance résiduelle - Rapport de résistance résiduelle des
supraconducteurs de Nb à cavités
(IEC 61788-23:2024)

Supraleitfähigkeit - Teil 23: Messung des
Restwiderstandsverhältnisses - Restwiderstandsverhältnis
von hochreinen Nb-Supraleitern für Kavitäten
(IEC 61788-23:2024)

This European Standard was approved by CENELEC on 2024-06-26. 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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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61788-23:2024 (E)**European foreword**

The text of document 90/515/FDIS, future edition 3 of IEC 61788-23, prepared by IEC/TC 90 "Superconductivity" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61788-23:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-03-26 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-06-26 document have to be withdrawn

This document supersedes EN IEC 61788-23:2021 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 61788-23:2024 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 standard indicated:

IEC 61788-4 NOTE Approved as EN IEC 61788-4

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IEC 61788-10 NOTE Approved as EN 61788-10

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-815	-	International Electrotechnical Vocabulary - Part 815: Superconductivity	-	-

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Edition 3.0 2024-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Superconductivity –

Part 23: Residual resistance ratio measurement – Residual resistance ratio of cavity-grade Nb superconductors

Supraconductivité –

Partie 23: Mesurage du rapport de résistance résiduelle – Rapport de résistance résiduelle des supraconducteurs de Nb à cavités

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CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	7
4 Principle	8
5 Measurement apparatus	9
5.1 Mandrel or base plate	9
5.2 Cryostat and support of mandrel or base plate	9
6 Specimen preparation.....	10
7 Data acquisition and analysis	11
7.1 Data acquisition hardware.....	11
7.2 Resistance (R_1) at room temperature	11
7.3 Residual resistance (R_2) just above the superconducting transition.....	12
7.4 Validation of the residual resistance measurement.....	13
7.5 Residual resistance ratio.....	13
8 Uncertainty of the test method	13
9 Test report.....	14
9.1 General.....	14
9.2 Test information.....	14
9.3 Specimen information	14
9.4 Test conditions	14
9.5 RRR value	14
Annex A (informative) Additional information relating to the measurement of RRR.....	15
A.1 Considerations for specimens and apparatus	15
A.2 Considerations for specimen mounting orientation	16
A.3 Alternative methods for increasing temperature of specimen above superconducting transition temperature	16
A.3.1 General	16
A.3.2 Heater method.....	16
A.3.3 Controlled methods.....	16
A.4 Other test methods	16
A.4.1 General	16
A.4.2 Measurement of resistance versus time	17
A.4.3 Comparison of ice point and room temperature	17
A.4.4 Extrapolation of the resistance to 4,2 K	17
A.4.5 Use of magnetic field to suppress superconductivity at 4,2 K.....	18
A.4.6 AC techniques	18
Annex B (informative) Uncertainty considerations	19
B.1 Overview.....	19
B.2 Definitions.....	19
B.3 Consideration of the uncertainty concept	20
B.4 Uncertainty evaluation example for IEC TC 90 standards.....	22
Annex C (informative) Uncertainty evaluation for resistance ratio measurement of Nb superconductors	24

C.1	Evaluation of uncertainty.....	24
C.1.1	Room temperature measurement uncertainty.....	24
C.1.2	Cryogenic measurement uncertainty.....	25
C.1.3	Estimation of uncertainty for typical experimental conditions.....	27
C.2	Inter-laboratory comparison summary.....	28
	Bibliography.....	29
	Figure 1 – Relationship between temperature and resistance near the superconducting transition.....	8
	Figure A.1 – Determination of the value of R_2 from a resistance versus time plot.....	17
	Figure C.1 – Graphical description of the uncertainty of regression related to the measurement of R_2	27
	Table B.1 – Output signals from two nominally identical extensometers.....	20
	Table B.2 – Mean values of two output signals.....	20
	Table B.3 – Experimental standard deviations of two output signals.....	21
	Table B.4 – Standard uncertainties of two output signals.....	21
	Table B.5 – Coefficients of variation of two output signals.....	21
	Table C.1 – Uncertainty of measured parameters.....	27
	Table C.2 – RRR values obtained by inter-laboratory comparison using liquid helium.....	28

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SUPERCONDUCTIVITY –

**Part 23: Residual resistance ratio measurement –
Residual resistance ratio of cavity-grade Nb superconductors**

FOREWORD

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IEC 61788-23 has been prepared by IEC technical committee 90: Superconductivity. It is an International Standard.

This third edition cancels and replaces the second edition published in 2021. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) The principle is changed to represent the present test method.

The text of this International Standard is based on the following documents:

Draft	Report on voting
90/515/FDIS	90/519/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 61788 series, published under the general title *Superconductivity*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
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