

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

**Power transformers: Part 10 determination of sound levels
(First Revision of IS 2026 (Part 10): 2009)**

Transformer Sectional Committee
ETD 16

Last date of comments:
18 Nov 2023

NATIONAL FOREWORD

This Draft Indian Standard which is identical with IEC 60076-10 “Power transformers - Part 10: Determination of sound levels” issued by the International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendation of the Transformer Sectional Committee.

This revision has been undertaken to align with the latest version of IEC 60076-10:2016.

The text of IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this standard, reference appears to International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 60076-1:2011, Power transformers – Part 1: General	IS 2026 (Part 1) : 2011, Power transformers: Part 1 general (Second Revision)	Modified/Technically Equivalent with IEC 60076-1 : 2000
IEC 60076-8, Power transformers – Part 8: Application guide	IS 2026 (Part 8) : 2009, Power transformers: Part 8 application guide	Identical with IEC 60076-8 : 1997
IEC 61672-1, Electroacoustics – Sound level meters – Part 1:	IS 15575 (Part 1) : 2016, Electroacoustics - Sound level meters: Part 1	Identical with IEC 61672-1 : 2013

Specifications	specifications (First Revision)	
IEC 61672-2, Electroacoustics – Sound level meters – Part 2: Pattern evaluation tests	IS 15575 (Part 2) : 2023, Electroacoustics Sound level meters Part 2: Pattern evaluation tests Second Revision	Identical with IEC 61672-2:2017
ISO 9614-1, Acoustics – Determination of sound power levels of noise sources using sound intensity – Part 1: Measurement at discrete points	IS 16590: 2017, Water cooled chilling packages using the vapour compression cycle – Specification	Modified/Technically Equivalent with ISO 9614-1:1993
ISO 9614-2:1996, Acoustics – Determination of sound power levels of noise sources using sound intensity – Part 2: Measurement by scanning	IS 16590: 2017, Water cooled chilling packages using the vapour compression cycle – Specification	Modified/Technically Equivalent with ISO 9614-2:1996

The technical committee has reviewed the provisions of the following international standards referred in this adopted standard and decided that they are acceptable for use in conjunction with this standard.

<i>International Standard</i>	<i>Title</i>
<i>IEC 61043:1993</i>	<i>Electroacoustics – Instruments for the measurement of sound intensity – Measurements with pairs of pressure sensing microphones</i>
<i>ISO 3382-2:2008</i>	<i>Acoustics – Measurement of room acoustic parameters – Part 2: Reverberation time in ordinary rooms</i>
<i>ISO 3746:2010</i>	<i>Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Survey method using an enveloping measurement surface over a reflecting plane</i>

Only the English language text has been retained while adopting it in this Indian Standard, and as such, the page numbers given here are not the same as in the IEC Publication.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated expressing the result of a test or analysis shall be rounded off in accordance with IS 2: 2022 ‘Rules for rounding of numerical values (Second Revision)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Note: The technical content of the document is not available on website. For details, please refer the corresponding of IEC 60076-10:2016 or kindly contact:

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