

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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मसौदा भारतीय मानक
कैमरा ट्यूबों के मापन के तरीके
(पहला परिशोधन)

Draft Indian Standard
Methods of Measurement on Camera Tubes
(First Revision)

ICS No. : 31.100

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LITD 04: Electronic Display Devices and
systems Sectional Committee

Last Date for Comments: 28 Sept 2024

NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (First Revision) which is identical to IEC 60151-26:1971 'Measurements of the electrical properties of electronic tubes and valves. Part 26: Methods of measurement for camera tubes' issued by the International Electrotechnical Commission (IEC) *will be* adopted by the Bureau of Indian Standards on the recommendation of the Electronic Display Devices and systems Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 1973 and assistance has been derived from the IEC Pub 151-26. The first revision aligns this Indian Standard with IEC 60151-26:1971, there is a need to align the formatting and appearance of the standard as per the current practice.

The following changes has been required in the standards under this revision:

- Adding Front cover page.
- Addition of Hindi Title.

- c) National foreword to be written as current practice.
- d) UDC Number to be changed to ICS code.

The text of IEC Standard *will be* 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 adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International standards	Corresponding Indian standards	Degree of Equivalence
IEC 60050-531 : 1974 International Electrotechnical Vocabulary (IEV) - Part 531: Electronic tubes	IS 18123: 2023 Electro technical Vocabulary: Electronic tubes	Identical
IEC 60306-1: 1969 Measurement of photosensitive devices - Part 1: Basic recommendations	Draft IS 7146 (Part 1) Measurement of photosensitive devices - Part 1: Basic recommendations	Technically Equivalent

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 off 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.

Scope of IEC 60151-26:1971

“This Recommendation deals with electronic tubes which perform the function of converting an optical image into electrical signals. These tubes are commonly called "television camera tubes" or "television pick-up tubes".

At the present time, they fall into two classes:

- a) tubes having a photoemitting sensitive surface;
- b) tubes having a photoconductive sensitive surface.

This Recommendation deals only with the image orthicon in class a) and with the vidicon in class b).

Other tubes and/or classes may be added as the need arises.”

Note: The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details, please refer IEC 60151-28:1978 or kindly contact.

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