

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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**मसौदा भारतीय मानक
तप्त कैथोड गैस - भरी हुई ट्यूब हेतु मापन पद्धति
(पहला पुनरीक्षण)**

***Draft Indian Standard
Methods of Measurement for Hot
Cathode Gas - Filled Tube
(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 60151-17:1969 "Measurements of the electrical properties of electronic tubes and valves. Part 17: Methods of measurement of gas-filled tubes and valves" 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 1982 and was assistance has been derived from the IEC Pub 151-17: 1969. The first revision aligns this Indian Standard with IEC 60151-17:1969, 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:

- a) Adding Front cover page.
- b) 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 *may 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.

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 60151-17:1969

“This Recommendation deals with:

I: hot cathode tubes and valves.

Ia: gasfilled rectifier tubes and valves.

Ib: thyratrons except for those used for pulse modulation.

II: cold cathode tubes.

IIa: voltage stabilizing tubes, excluding corona stabilizers.

IIb: trigger tubes

This Recommendation is based on current practice of the measurement of gas filled tubes and valves. It should not be regarded as a Recommendation in the sense of a standard, because a more detailed description of the methods of measurement is needed if measuring results on the basis of these principles have to be comparable within definite tolerances.”

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 60151-17:1969 or kindly contact.

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