**Review Report- IS 9185 (Part 2) : 1979**

Endurance (Life)Test for electronic and electrical components: Part 2 mechanical endurance

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Submitted By

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***Review of IS*** ***9185 (Part 2) : 1979***

**IS Number**: IS 9185 (Part 2) : 1979

**IS Title**: Endurance (Life)Test for electronic and electrical components: Part 2 mechanical endurance

**Degree of Equivalence**: Indigenous

**Number of Revisions**: NIL

**Number of Amendments**: 0

**Aspect**: Product Specification

**Technical Committee**: LITD 02 (Dependability of Electronic, Electrical Components, Equipment and Systems Sectional Committee)

**Member Secretary**: Shri. Bipin Jambholkar

**No**. **of licenses**: 0

**No**. **of labs**: 0

**Liaison Details IS 9000 (Part 1) : 1977** Basic environmental testing procedures for electronic and electrical items: Part 1 general

**IS 9000 (Part 2) : 1977** Basic environmental testing procedures for electronic and electrical items: Part 2 cold test

**IS 9000 (Part 3) : 1977** Basic environmental testing procedures for electronic and electrical items: Part 3 dry heat test

**Standards Referred**

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| --- | --- | --- |
| **S.No.** | **Standard Number** | **Standard Title** |
|  | IS 9000 (Part 1) : 1977 (Withdrawn) | Basic environmental testing procedures for electronic and electrical items: Part 1 general |
|  | IS 9000 (Part 2) : 1977 (Withdrawn) | Basic environmental testing procedures for electronic and electrical items: Part 2 cold test |
|  | IS 9000 (Part 3) : 1977 (Withdrawn) | Basic environmental testing procedures for electronic and electrical items: Part 3 dry heat test |
|  | IS 9002 (Part 1) : 1977 (Withdrawn) | Specification for Equipment for environmental tests for electronic and electrical items: Part 1: chamber for cold test |

**Standards where IS 9185 (Part 2) : 1977 has been referred:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SNo** | **IS Number** | **Title** | **Technical Committee** |
| 1 | IS 15062 : 2001 | Floppy disk drive - Specification |  LITD 36 |
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**Recommendation:**

Based on the review of IS 9185 (Part 2) : 1977, it was observed that most of the Indian and International Standards referred in the IS have either been withdrawn or replaced by other Standards. Referred IS 9000 (Part 1) : 1977 has been revised in the year 1986 and subsequently withdrawn and replaced by IS/IEC 60068-1 : 2013. Similarly IS 9000 (Part 2) : 1977 and IS 9000 (Part 3) : 1977 have also been replaced by IS/IEC 60068 series of Standards.

Email was sent to members of LITD 02 for their feedback on revision of the Indian Standard. One of the members has informed that the methods referred in the Standard are obsolete and no longer relevant in today’s world.

Further, it is submitted that Endurance test should be part of component standard as all test conditions are different for different components.

No relevant reply was received from any other member of LITD 02.

Email for feedback was also sent to leading manufacturers of electronic goods in the country, however, no reply was received even after follow-ups.

This Standard, i.e. IS 9185 (Part 2) : 1977 is referred in IS 15062 : 2001 ‘Floppy disk drive – Specification’. It may be noted that the product ‘Floppy disk’ is an outdated technology and is hardly used by common masses these days. LITD may consider reviewing IS 15062 : 2001 as well.

Hence, the following are proposed:

1. it is proposed that the existing Indian Standard IS 9185 (Part 2) : 1977 be withdrawn;
2. the requirements of endurance test be included in the component standard itself;
3. IS 15062 : 2001 may be taken up for review.