IEC 60068-2-78

Edition 3.0 2025-08

INTERNATIONAL STANDARD

REDLINE VERSION

Environmental testing -
Part 2-78: Tests - Test Cab: Damp heat, steady state

ICS 19.040; 29.020

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state

FOREWORD

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IEC 60068-2-78 has been prepared by technical committee 104: Environmental conditions, classification, and methods of test. It is an International Standard.

This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision.

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

a) revision of the requirements for the test chamber;
b) revision of the severities and including the dew point temperatures;
c) change of the temperature tolerances of the test to limits;
d) inclusion of a specified preconditioning procedure;
e) inclusion of a new figure for clarification purposes;
f) revision of standardized requirements for the test report.

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

Draft	Report on voting
104/1109/FDIS	104/1126/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.

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- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

This part of IEC 60068 provides a test method of high humidity at constant temperature without condensation on the specimen over a ~~prescribed~~ specified period. This test is performed to evaluate the specimen as it is influenced by the absorption and diffusion of moisture and moisture vapour.

1 Scope ~~and object~~

This part of IEC 60068 establishes a test method for determining the ability of components or equipment to withstand transportation, storage and use under conditions of high humidity.

The object of this document is to investigate the effect of high humidity at constant temperature without condensation on a specimen over a ~~prescribed~~ specified period.

It is applicable to small equipment or components as well as large equipment~~,~~ and can be applied to both heat-dissipating and non-heat-dissipating specimens.

2 Normative references

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.

IEC 60068-1:2013, *Environmental testing - Part 1: General and guidance*

IEC 60068-2-67, *Environmental testing - Part 2-67: Tests - Test Cy: Damp heat, steady state, accelerated test primarily intended for components*

~~IEC 60068-3-6, *Environmental testing – Part 3-6: Supporting documentation and guidance – Confirmation of the performance of temperature and humidity chambers*~~

~~IEC Guide 104, *The preparation of safety publications and the use of basic safety publications and group safety publications*~~

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