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INTERNATIONAL STANDARD



**Electronic paper displays –
Part 4-2: Environmental test methods**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRONIC PAPER DISPLAYS –

Part 4-2: Environmental test methods

FOREWORD

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International Standard IEC 62679-4-2 has been prepared by IEC technical committee 110: Electronic display devices.

The text of this standard is based on the following documents:

CDV	Report on voting
110/730/CDV	110/773A/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62679 series, published under the general title *Electronic paper displays*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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ELECTRONIC PAPER DISPLAYS – Part 4-2: Environmental test methods

1 Scope

This part of IEC 62679 specifies the environmental conditions to determine the environmental reliability of electronic paper display (EPD) panels and/or modules for storage under the assumed usage environment. The scope of this document is restricted to EPDs using either segment, passive, or active matrix with either monochromatic or colour type displays. The measuring methods are intended for EPDs operated in a reflective mode.

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 62679-1-1, *Electronic paper displays – Part 1-1: Terminology*

IEC 62679-3-1, *Electronic paper displays – Part 3-1: Optical measuring methods*

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

IEC 60068-2-38:2009, *Environmental testing – Part 2: Tests – Test Z/AD: Composite temperature/humidity cyclic test*

CIE 085-1989, *Solar spectral irradiance*