

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**LCD multi-screen display terminals –
Part 2: Measuring methods**

**Terminaux d'affichage à plusieurs écrans LCD –
Partie 2: Méthodes de mesure**



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LCD MULTI-SCREEN DISPLAY TERMINALS –**Part 2: Measuring methods****FOREWORD**

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International Standard IEC 63181-2 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

FDIS	Report on voting
100/3413/FDIS	100/3441/RVD

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 63181 series, published under the general title *LCD multi-screen display terminals*, 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,
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- replaced by a revised edition, or
- amended.

LCD MULTI-SCREEN DISPLAY TERMINALS –

Part 2: Measuring methods

1 Scope

This part of IEC 63181 specifies measuring methods for LCD multi-screen display terminals. To evaluate the characteristics of LCD multi-screen display terminals, the following measurement items are specified:

- gap (physical, optical): detailed splicing precision;
- splicing deviation: splicing accuracy of active areas of LCD splicing screen;
- installation deviation: the flatness of terminal surfaces in vertical and horizontal directions;
- luminance uniformity: luminance uniformity of adjacent LCD units;
- chromatic uniformity: chromatic uniformity of adjacent LCD units.

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 TS 63181-1, *LCD multi-screen display terminals – Part 1: Conceptual model*

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in IEC TS 63181-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
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4 Measuring conditions

4.1 Standard measuring environmental conditions

Measurements shall be carried out under the following standard environmental conditions:

- Temperature: $(25 \pm 3) \text{ }^\circ\text{C}$;
- Relative humidity: 25 % RH to 85 % RH;
- Atmospheric pressure: 86 kPa to 106 kPa;
- Illuminance range: $\leq 1 \text{ lx}$.

When different environmental conditions are applied, they shall be noted in the measurement report.