

Plasma display panels —

Part 2-2: Measuring methods — Optoelectrical

The European Standard EN 61988-2-2:2003 has the status of a
British Standard

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National foreword

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Part 2-2: Measuring methods -
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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 47C/286/FDIS, future edition 1 of IEC 61988-2-2, prepared by SC 47C, Flat panel display devices, of IEC TC 47, Semiconductor devices, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61988-2-2 on 2003-04-01.

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- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-04-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61988-2-2:2003 was approved by CENELEC as a European Standard without any modification.

CONTENTS

1	Scope.....	4
2	Normative references	4
3	Definitions	4
4	Structure of measuring equipment	4
5	Standard measuring conditions.....	4
5.1	Environmental conditions	4
5.2	Lighting conditions	5
5.3	Set-up conditions	6
6	Measuring methods	7
6.1	Measuring method of bright-room contrast ratio 100/70	7
6.2	Measuring methods of module power and current consumption	9
6.3	Measuring method of module luminous efficacy.....	12
	Annex ZA (normative) Normative references to international publications with their relevant European publications	14
	Figure 1 – Measuring system and its arrangement	6
	Figure 2 – Example of bright-room conditions	7
	Figure 3 – Four percent window luminance measuring pattern	8
	Figure 4 – Minimum luminance measuring pattern	9
	Figure 5 – Example of power and current measuring.....	10
	Figure 6 – Measuring points.....	13
	Table 1 – Example of power and current measurements (for a module that includes an AC input)	11
	Table 2 – Example of power and current measurements (for a module with DC inputs only) .	11

PLASMA DISPLAY PANELS –

Part 2-2: Measuring methods – Optoelectrical

1 Scope

This part of IEC 61988 determines the following measuring methods for characterising the performance of colour plasma display modules:

- a) bright-room contrast ratio;
- b) module power and current consumption;
- c) module luminous efficacy.

2 Normative references

The following referenced documents are indispensable for the application 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 61988-1:—, *Plasma display panels – Part 1: Terminology and letter symbols* ¹

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

IEC 60107-1, *Methods of measurement on receivers for television broadcast transmissions – Part 1: General considerations – Measurement at radio and video frequencies*

3 Definitions

For the purposes of this document, the terms and definitions given in IEC 61988-1, IEC 60068-1 and IEC 60107-1 apply.

4 Structure of measuring equipment

The system diagrams and/or driving conditions of the measuring equipment shall comply with the structure specified in each item.

5 Standard measuring conditions

5.1 Environmental conditions

Measurements shall be carried out at the standard measuring position (refer to Figure 1) after sufficient warm-up time under the standard environmental conditions, e.g. at a temperature of $25\text{ °C} \pm 3\text{ °C}$, a relative humidity of 25 % to 85 %, and pressure of 86 kPa to 106 kPa. When different environmental conditions are used, these shall be noted on the report.

¹ To be published.