

# INTERNATIONAL STANDARD



Laser display devices –  
Part 1-2: Vocabulary and letter symbols



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Part 1-2: Vocabulary and letter symbols**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Terms, definitions, and abbreviations .....	5
2.1 Classification of terms.....	5
2.2 Fundamental terms .....	5
2.3 Terms related to speckle.....	5
2.4 Terms related to display category .....	7
2.5 Terms related to optical devices.....	7
2.6 Terms related to light sources.....	8
3 Letter symbols (quantity symbols / unit symbols) .....	8
Annex A (informative) Categorization of speckle and speckle contrast ratio .....	9
A.1 Objective speckle.....	9
A.2 Subjective speckle .....	9
A.3 Speckle contrast ratio .....	10
Bibliography.....	12
Figure A.1 – Optical configuration to observe objective speckle .....	9
Figure A.2 – Optical configuration to observe subjective speckle .....	10
Figure A.3 – Classification map of speckle.....	10
Table 1 – Letter symbols.....	8

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## LASER DISPLAY DEVICES –

## Part 1-2: Vocabulary and letter symbols

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

FDIS	Report on voting
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Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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

A list of all parts in the IEC 62906 series, published under the general title *Laser display devices*, can be found on the IEC website.

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## LASER DISPLAY DEVICES –

### Part 1-2: Vocabulary and letter symbols

#### 1 Scope

This part of IEC 62906 gives the preferred terms, their definitions and symbols for laser display devices and relevant components with the object of using the same terminology when publications are prepared in different countries.

#### 2 Terms, definitions, and abbreviations

For the purposes of this document, the following terms and definitions apply.

##### 2.1 Classification of terms

Terms for laser display devices and relevant components are classified as follows:

- a) fundamental terms;
- b) terms related to speckle;
- c) terms related to display category;
- d) terms related to optical devices;
- e) terms related to light sources.

##### 2.2 Fundamental terms

###### 2.2.1

###### **laser display device**

###### **LDD**

display device using a laser or laser, based on stimulated emission

###### 2.2.2

###### **hybrid laser display device**

###### **hybrid LDD**

###### **h-LDD**

display device using both a laser or lasers and spontaneous emission-based light sources

##### 2.3 Terms related to speckle

###### 2.3.1

###### **speckle**

<laser display devices> irregularly aligned spatially-modulated image created by coherent or partially coherent lights as a result of interference on a sensor plane of the visual sensory system of the observer

Note 1 to entry: For a human observer, the sensor plane of the visual sensory system is the retina of the eye.

###### 2.3.2

###### **monochromatic speckle**

speckle when the light source is monochromatic or quasi-monochromatic

###### 2.3.3

###### **colour speckle**

speckle when the light source is multi-coloured