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Ergonomics of human-system interaction - Part 312: Readability of electrophoretic displays (ISO/TR 9241-312:2020)

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**Ergonomics of human-system interaction - Part 312:
Readability of electrophoretic displays (ISO/TR 9241-
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Ergonomie de l'interaction homme-système - Partie
312: Lisibilité des écrans électrophorétiques (ISO/TR
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CEN ISO/TR 9241-312:2022 (E)

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European foreword

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Part 312: Readability of electrophoretic displays

Ergonomie de l'interaction homme-système —

Partie 312: Lisibilité des écrans électrophorétiques



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Foreword

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A list of all parts in the ISO 9241-300 series can be found on the ISO website.

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Introduction

Electrophoretic technology has led to the development of reflective e-paper displays (EPD) that have fundamentally different optical characteristics compared to emissive display devices, such as backlit liquid crystal displays (LCD) or organic light emitting diode displays (OLED). EPD are used in reading devices, also known as e-readers. See [Annex A](#) for more information on the standardization of electronic displays.

The ISO 9241-300 series provides requirements from the viewpoint of human beings' visual properties and are organized by subjects.

Electrophoretic EPD were selected for the experiments reported in this document because of their widespread use as electronic reading devices.

Ergonomics of human-system interaction —

Part 312:

Readability of electrophoretic displays

1 Scope

This document provides an overview of recent research on readability of electrophoretic displays. It also provides information for evaluating readability of electrophoretic displays and defining the context of their use.

2 Normative references

There are no normative references in this document.

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