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Optics and photonics — Vocabulary for telescopic systems —

Part 3: Terms for telescopic sights

Optique et photonique — Vocabulaire relatif aux systèmes télescopiques —

Partie 3: Termes pour lunettes de pointage

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 4, *Telescopic systems*.

This third edition cancels and replaces the second edition (ISO 14132-3:2014), which has been technically revised. The main changes compared to the previous edition are as follows:

— the term and definition "critical eye relief" was added and harmonised with "eye relief" and "eye relief range".

A list of all parts in the ISO 14132 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Optics and photonics — Vocabulary for telescopic systems —

Part 3: Terms for telescopic sights

1 Scope

This document applies to telescopic sights used on hand-held firearms and airguns and gives terms and definitions for telescopic sights only.

The alphabetical indexes of terms that are common for all published parts of ISO 14132 are published in ISO 14132-1.

The definitions can be changed, if required, by introducing derivative attributes into them, revealing the meanings of the terms used, showing the objects covered by the scope of the notion being defined. These changes will not affect the scope and contents of this document.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

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

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
telescopic sight
telescopic observational instrument which is mounted on hand-held firearms and airguns and used for sighting

3.2
main tube
main body of a *telescopic sight* (3.1)

3.3
central tube
in most cases slimmest part of a *telescopic sight* (3.1) located between eyepiece and objective cell

3.4
objective tube
straight, mostly cylindrical part of the *main tube* (3.2) in which the objective housing is mounted

3.5
parallax
angular deviation between the *aiming points* (3.12) for on-axis and off-axis observation

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