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**Optics and optical instruments —  
Ancillary devices for geodetic  
instruments —**

**Part 1:  
Invar levelling staffs**

*Optique et instruments d'optique — Equipements annexes pour les  
instruments géodésiques —*

*Partie 1: Mires de nivellement en invar*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 6, *Geodetic and surveying instruments*.

This second edition cancels and replaces the first edition (ISO 12858-1:1999), which has been technically revised.

ISO 12858 consists of the following parts, under the general title *Optics and optical instruments — Ancillary devices for geodetic instruments*:

- *Part 1: Invar levelling staffs*
- *Part 2: Tripods*
- *Part 3: Tribrachs*

[Annex A](#) of this part of ISO 12858 is for information only.

## Introduction

The ISO 12858 series consists of several parts which detail specifications for ancillary devices to be used with geodetic instruments in surveying. This part of ISO 12858 specifies requirements for Invar levelling staffs.

Additional parts, covering other ancillary devices, may be added to ISO 12858 as the need arises.

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