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Characterization of pavement texture by use of surface profiles —

Part 3: Specification and classification of profilometers

*Caractérisation de la texture d'un revêtement de chaussée à partir de
relevés de profils de la surface —*

Partie 3: Spécification et classification des appareils de mesure de profil



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 13473 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 13473-3 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

ISO 13473 consists of the following parts, under the general title *Characterization of pavement texture by use of surface profiles*:

- *Part 1: Determination of Mean Profile Depth*
- *Part 2: Terminology and basic requirements related to pavement texture profile analysis*
- *Part 3: Specification and classification of profilometers*

Annex A of this part of ISO 13473 is for information only.

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Introduction

Profilometers have been used in research on surface characteristics of pavements on roads and airfields since the 60's and have recently also been applied to general pavement surveys. Although most of the designs have been based on laser sensor technology, the principles of operation, measurement and analyses have been and are very different. This part of ISO 13473 is an attempt to facilitate the comparison of different profilometers and to specify requirements needed when they are applied to pavement engineering.