



BSI Standards Publication

Geotechnical investigation and testing — Laboratory testing of soil

Part 1: Determination of water content

National foreword

This British Standard is the UK implementation of EN ISO 17892-1:2014+A1:2022. It is identical to ISO 17892-1:2014 incorporating amendment 1:2022. It supersedes BS EN ISO 17892-1:2014, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/526/3, Ground investigation and ground testing.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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English Version

Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content (ISO 17892-1:2014)

Reconnaissance et essais géotechniques - Essais de
laboratoire sur les sols - Partie 1: Détermination de la
teneur en eau (ISO 17892-1:2014)

Geotechnische Erkundung und Untersuchung -
Laborversuche an Bodenproben - Teil 1: Bestimmung des
Wassergehalts (ISO 17892-1:2014)

This European Standard was approved by CEN on 18 October 2014.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 17892-1:2014) has been prepared by Technical Committee ISO/TC 182 "Geotechnics" in collaboration Technical Committee CEN/TC 341 "Geotechnical Investigation and Testing" the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2015, and conflicting national standards shall be withdrawn at the latest by June 2015.

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Endorsement notice

The text of ISO 17892-1:2014 has been approved by CEN as EN ISO 17892-1:2014 without any modification.

European foreword to amendment A1

This document (EN ISO 17892-1:2014/A1:2022) has been prepared by Technical Committee ISO/TC 182 "Geotechnics" in collaboration with Technical Committee CEN/TC 341 "Geotechnical Investigation and Testing" the secretariat of which is held by BSI.

This Amendment to the European Standard EN ISO 17892-1:2014 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2022, and conflicting national standards shall be withdrawn at the latest by November 2022.

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Endorsement notice

The text of ISO 17892-1:2014/Amd 1:2022 has been approved by CEN as EN ISO 17892-1:2014/A1:2022 without any modification.

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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. www.iso.org/directives

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ISO 17892-1 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 341, *Geotechnical investigation and testing*, in collaboration with Technical Committee ISO/TC 182, *Geotechnics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition of ISO 17892-1 cancels and replaces ISO/TS 17892-1:2004, which has been technically revised. It also incorporates the Technical Corrigendum ISO/TS 17892-1:2004/Cor 1:2006.

ISO 17892 consists of the following parts, under the general title "*Geotechnical investigation and testing — Laboratory testing of soil*":

- *Part 1: Determination of water content*
- *Part 2: Determination of bulk density*
- *Part 3: Determination of particle density*
- *Part 4: Determination of particle size distribution*
- *Part 5: Incremental loading oedometer test*
- *Part 6: Fall cone test*
- *Part 7: Unconfined compression test on fine-grained soils*
- *Part 8: Unconsolidated undrained triaxial test*
- *Part 9: Consolidated triaxial compression tests on water-saturated soils*
- *Part 10: Direct shear tests*
- *Part 11: Determination of permeability by constant and falling head*
- *Part 12: Determination of Atterberg limits*