

SLOVENSKI STANDARD oSIST prEN 18097:2024

01-julij-2024

Hidrometrija - Merjenje intenzivnosti padavin - Meroslovne zahteve in preskusne metode zanelovne merilnike dežja

Hydrometry - Measurement of precipitation intensity - Metrological requirements and test methods for non-catching type rain gauges

Hydrometrie - Messung der Niederschlagsintensität - Metrologische Anforderungen und Prüfverfahren für nicht auffangende Niederschlagsmessgeräte

Hydrométrie - Mesurage de l'intensité des précipitations - Exigences métrologiques et méthodes d'essai relatives aux pluviomètres non collecteurs

Ta slovenski standard je istoveten z: prEN 18097

ICS:

07.060 Geologija. Meteorologija.

Hidrologija

Geology. Meteorology.

Hydrology

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en,fr,de

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English Version

Hydrometry - Measurement of precipitation intensity - Metrological requirements and test methods for non-catching type rain gauges

Hydrometrie - Messung der Niederschlagsintensität - Metrologische Anforderungen und Prüfverfahren für nicht auffangende Niederschlagsmessgeräte

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 318.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 18097:2024) has been prepared by Technical Committee CEN/TC 318 "Hydrometry", the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

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Introduction

According to CEN/TR 17993:2023 "Calibration and accuracy of non-catching precipitation measurement instruments", although numerous attempts were made and various approaches were tested, no fully traceable calibration procedure exists for most of the non-catching gauges (NCGs) available on the market.

The document was prepared following a request for research development submitted by CEN/TC 318 in October 2017 to EURAMET, the European Association of National Metrology Institutes, through the cooperation programme between STAIR (the joint CEN-CENELEC strategic Working Group supporting standardization in research and innovation) and EMPIR (the European Metrology Programme for Innovation and Research of EURAMET). This led to the approval and funding of the EURAMET prenormative Research Project "EMPIR 18NRM03 - INCIPIT Calibration and accuracy of non-catching instruments to measure liquid/solid atmospheric precipitation" (Merlone et al., 2022 [1]) where a calibration procedure was developed and proposed for consideration as a basis for standardization. The text is derived from the work of Chinchella (2022) [2].

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