



SLOVENSKI STANDARD SIST EN ISO 18081:2024

01-september-2024

Nadomešča:
SIST EN ISO 18081:2017

Neporušitvene preiskave - Akustična emisija - Preskušanje tesnosti z akustično emisijo (ISO 18081:2024)

Non-destructive testing - Acoustic emission testing (AT) - Leak detection by means of acoustic emission (ISO 18081:2024)

Zerstörungsfreie Prüfung - Schallemissionsprüfung - Dichtheitsprüfung mittels Schallemission (ISO 18081:2024)

Essais non destructifs - Contrôle par émission acoustique - Détection de fuites par émission acoustique (ISO 18081:2024)

Ta slovenski standard je istoveten z: **EN ISO 18081:2024**

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ICS:

17.140.99	Drugi standardi v zvezi z akustiko	Other standards related to acoustics
19.100	Neporušitveno preskušanje	Non-destructive testing

SIST EN ISO 18081:2024

en,fr,de

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NORME EUROPÉENNE

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Non-destructive testing - Acoustic emission testing (AT) - Leak detection by means of acoustic emission (ISO 18081:2024)

Essais non destructifs - Essais d'émission acoustique -
Détection de fuites par émission acoustique (ISO
18081:2024)

Zerstörungsfreie Prüfung - Schallemissionsprüfung -
Dichtheitsprüfung mittels Schallemission (ISO
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This European Standard was approved by CEN on 28 June 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 18081:2024) has been prepared by Technical Committee ISO/TC 135 "Non-destructive testing" in collaboration with Technical Committee CEN/TC 138 "Non-destructive testing" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by January 2025, and conflicting national standards shall be withdrawn at the latest by January 2025.

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

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International Standard

ISO 18081

Non-destructive testing — Acoustic emission testing (AT) — Leak detection by means of acoustic emission

*Essais non destructifs — Essais d'émission acoustique —
Détection de fuites par émission acoustique*

**Second edition
2024-07**

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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 document 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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This document was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 9, *Acoustic emission testing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 18081:2016), which has been technically revised.

The main changes are as follows:

- [Figure 1](#) has been improved;
- term “AT equipment” has been replaced by “AE instrument” in the whole document;
- term “system” has been replaced by “instrument” in the whole document;
- [Figure 2](#) showing an adjustable air jet has been added;
- [Formula \(1\)](#) has been corrected;
- [Table 2](#) “Leakage grading and the influence of leak flow dynamic on AE activity” has been added;
- editorial corrections throughout the document.

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