



**SLOVENSKI STANDARD  
SIST EN IEC 62127-2:2025**

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**Ultrazvok - Hidrofoni - 2. del: Kalibracija za ultrazvočna polja (IEC 62127-2:2025)**

Ultrasonics - Hydrophones - Part 2: Calibration for ultrasonic fields (IEC 62127-2:2025)

Ultraschall - Hydrophone - Teil 2: Kalibrierung für Ultraschallfelder (IEC 62127-2:2025)

Ultrasons - Hydrophones - Partie 2: Etalonnage des champs ultrasoniques (IEC 62127-2:2025)

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**Ultrasonics - Hydrophones - Part 2: Calibration for ultrasonic fields  
(IEC 62127-2:2025)**

Ultrasons - Hydrophones - Partie 2: Etalonnage des champs ultrasoniques  
(IEC 62127-2:2025)

Ultraschall - Hydrophone - Teil 2: Kalibrierung für Ultraschallfelder  
(IEC 62127-2:2025)

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## EN IEC 62127-2:2025 (E)

### European foreword

The text of document 87/878/FDIS, future edition 2 of IEC 62127-2, prepared by TC 87 "Ultrasonics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62127-2:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2026-02-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-02-29

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IEC 61828:2020 NOTE Approved as EN IEC 61828:2021 (not modified)

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cencenelec.eu](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61161	-	Ultrasonics - Power measurement - Radiation force balances and performance requirements	EN 61161	-
IEC 61689	-	Ultrasonics - Physiotherapy systems - Field specifications and methods of measurement in the frequency range 0,5 MHz to 5 MHz	EN IEC 61689	-
IEC 62127-1	-	Ultrasonics - Hydrophones - Part 1: Measurement and characterization of medical ultrasonic fields	EN IEC 62127-1	-
IEC 62127-3	2022	Ultrasonics - Hydrophones - Part 3: Properties of hydrophones for ultrasonic fields	EN IEC 62127-3	2023





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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Ultrasonics – Hydrophones –  
Part 2: Calibration for ultrasonic fields**

**Ultrasons – Hydrophones –  
Partie 2: Etalonnage des champs ultrasoniques**

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**ULTRASONICS – HYDROPHONES –****Part 2: Calibration for ultrasonic fields****FOREWORD**

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IEC 62127-2 has been prepared by IEC technical committee 87: Ultrasonics. It is an International Standard.

This second edition cancels and replaces the first edition published in 2007, Amendment 1:2013 and Amendment 2:2017. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) the upper frequency limit of 40 MHz has been removed;
- b) hydrophone sensitivity definitions have been changed to recognize sensitivities as complex-valued quantities;
- c) directional response measurement and effective size determination procedures have been updated in 12.5.1 to align with recent changes in IEC 62127-3;