SLOVENSKI STANDARD
SIST EN IEC 61757-8-1:2026

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Optični senzorji - 8-1. del: Merjenje tlaka - Tlačni senzorji na podlagi optovlakenskih Braggovih rešetk (IEC 61757-8-1:2025)

Fibre optic sensors - Part 8-1: Pressure measurement - Pressure sensors based on fibre Bragg gratings (IEC 61757-8-1:2025)

Lichtwellenleiter-Sensoren – Teil 8-1: Druckmessung - Drucksensoren auf der Basis von Faser-Bragg-Gittern (IEC 61757-8-1:2025)

Capteurs fibroniques - Partie 8-1: Mesure de pression - Capteurs de pression basés sur des réseaux de bragg à fibres (IEC 61757-8-1:2025)

Ta slovenski standard je istoveten z: **EN IEC 61757-8-1:2026**

ICS:

33.180.99	Druga oprema za optična vlakna	Other fibre optic equipment

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English Version

Fibre optic sensors - Part 8-1: Pressure measurement - Pressure sensors based on fibre Bragg gratings (IEC 61757-8-1:2025)

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Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 86C/1970/CDV, future edition 1 of IEC 61757-8-1, prepared by SC 86C "Fibre optic systems, sensing and active devices" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61757-8-1:2026.

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) 2027-01-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2029-01-31

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Endorsement notice

The text of the International Standard IEC 61757-8-1:2025 was approved by CENELEC as a European Standard without any modification.

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.

Publication	Year	Title	EN/HD	Year
IEC 60068-2	series	Environmental testing - Part 2-1: Tests - Test A: Cold	EN IEC 60068-2	series
IEC 61300-2	series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-1: Tests - Vibration (sinusoidal)	EN IEC 61300-2	series
IEC 61754	series	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance	EN 61754	series
IEC 61757	-	Fibre optic sensors - Generic specification	EN IEC 61757	-
IEC 61757-1-1	2020	Fibre optic sensors - Part 1-1: Strain measurement - Strain sensors based on fibre Bragg gratings	EN IEC 61757-1-1	2020
IEC 62129-1	-	Calibration of wavelength/optical frequency measurement instruments - Part 1: Optical spectrum analyzers	EN 62129-1	-
IEC 62129-2	-	Calibration of wavelength/optical frequency measurement instruments - Part 2: Michelson interferometer single wavelength meters	EN 62129-2	-
ISO/IEC Guide 98-3	-	Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)	-	-

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CONTENTS