



BSI Standards Publication

Fibre optic sensors

Part 5-1: Tilt measurement — Tilt sensors based on fibre Bragg gratings

National foreword

This British Standard is the UK implementation of EN IEC 61757-5-1:2021. It is identical to IEC 61757-5-1:2021.

The UK participation in its preparation was entrusted to Technical Committee GEL/86/3, Fibre optic systems and active devices.

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English Version

**Fibre optic sensors - Part 5-1: Tilt measurement - Tilt sensors
based on fibre Bragg gratings
(IEC 61757-5-1:2021)**

Capteurs fibroniques - Partie 5-1: Mesure d'inclinaison -
Capteurs d'inclinaison basés sur des réseaux de Bragg à
fibres
(IEC 61757-5-1:2021)

Lichtwellenleitersensoren - Teil 5-1: Neigungsmessung -
Neigungssensoren auf Basis von Faser-Bragg-Gittern
(IEC 61757-5-1:2021)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

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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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050	series	International Electrotechnical Vocabulary- (IEV)		-
IEC 60068-2	series	Environmental testing - Part 2X: Tests	EN 60068-2	series
IEC 61300-2	series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2X: Tests	EN 61300-2	series
IEC 61754	series	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces	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	-
IEC 62129-3	-	Calibration of wavelength/optical frequency measurement instruments - Part 3: Optical frequency meters internally referenced to a frequency comb	EN IEC 62129-3	-
ISO/IEC Guide 98-3	-	Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)		-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC SENSORS –

**Part 5-1: Tilt measurement –
Tilt sensors based on fibre Bragg gratings**

FOREWORD

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Draft	Report on voting
86C/1699/CDV	86C/1718/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

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