
Optična zaznavala - 2-2. del: Merjenje temperature - Razpršeno zaznavanje

Fibre optic sensors - Part 2-2: Temperature measurement - Distributed sensing

Lichtwellenleistersensoren - Teil 2-2: Temperaturmessung - Ortsaufgelöste faseroptische Messung

Capteurs à fibres optiques - Partie 2-2: Mesure de température - Détection répartie

Ta slovenski standard je istoveten z: prEN IEC 61757-2-2:2026

ICS:

17.200.20	Instrumenti za merjenje temperature	Temperature-measuring instruments
33.180.99	Druga oprema za optična vlakna	Other fibre optic equipment

oSIST prEN IEC 61757-2-2:2026**en**

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86C/2021/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

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IEC 61757-2-2 ED2

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IEC SC 86C : FIBRE OPTIC SYSTEMS, SENSING AND ACTIVE DEVICES

SECRETARIAT:

United States of America

SECRETARY:

Mr Fred Heismann

OF INTEREST TO THE FOLLOWING COMMITTEES:

TC 17, TC 18, TC 20, TC 38, TC 45, TC 65, TC 85

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ASPECTS CONCERNED:

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TITLE:

Fibre optic sensors - Part 2-2: Temperature measurement - Distributed sensing

PROPOSED STABILITY DATE: 2030

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**Fibre optic sensors -
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107 IEC 61757-2-2 has been prepared by subcommittee 86C: Fibre optic systems, sensing and
108 active devices of IEC technical committee 86: Fibre optics. It is an International Standard.

109 This second edition cancels and replaces the first edition published in 2016. This edition
110 constitutes a technical revision.

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

- 113 a) updates of the terms and definitions;
- 114 b) addition of a symbol list;
- 115 c) updates of [Figure 1](#), [Figure 2](#), [Figure 6](#), [Figure 9](#), [Figure 10](#), and [Figure B.1](#);
- 116 d) addition of [Table 1](#).

117 The text of this International Standard is based on the following documents:

Draft	Report on voting
XX/XX/FDIS	XX/XX/RVD

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

120 The language used for the development of this International Standard is English [change
121 language if necessary].

122 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
123 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available
124 at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are
125 described in greater detail at www.iec.ch/publications.

126 A list of all parts in the IEC 61757:2026, published under the general title *Fibre optic sensors*,
127 can be found on the IEC website.

128 The committee has decided that the contents of this document will remain unchanged until the
129 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
130 specific document. At this date, the document will be

- 131 – reconfirmed,
- 132 – withdrawn, or
- 133 – revised.

134

INTRODUCTION

135 This document is part of the IEC 61757:2026, which is dedicated to fibre optic sensors. Generic
136 specifications for fibre optic sensors are defined in IEC 61757:2026.

137 The individual parts of the IEC 61757:2026 are numbered as IEC 61757:2026-*M-T*, where *M*
138 denotes the measurand and *T* the technology of the fibre optic sensor. The IEC 61757-2-*T*
139 series is concerned with temperature measurements.

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