



IEEE

IEC/IEEE 60079-30-1

Edition 2.0 2025-09

INTERNATIONAL STANDARD

REDLINE VERSION

Explosive atmospheres -
Part 30-1: Electrical resistance trace heating - General and testing requirements

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FOREWORD

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IEC/IEEE 60079-30-1 has been prepared by IEC technical committee 31: Equipment for explosive atmospheres, in cooperation with the Petroleum & Chemical Industry Committee of the IEEE Industrial Applications Society under the IEC/IEEE Dual Logo Agreement.

This publication is published as an IEC/IEEE Dual Logo standard.

This second edition of IEC/IEEE 60079-30-1 cancels and replaces the first edition of IEC/IEEE 60079-30-1 published in 2015. This edition constitutes a technical revision.

Users of this document are advised that interpretation sheets clarifying the interpretation of this document can be published. Interpretation sheets are available from the IEC webstore and can be found in the "history" tab of the page for each document.

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

The significance of changes between IEC/IEEE 60079-30-1, Edition 1.0 (2015) and IEC/IEEE 60079-30-1, Edition 2.0 (this document) is as listed below:

Changes	Clause	Type		
		Minor and editorial changes	Extension	Major technical changes
Redefined Maximum withstand temperature as it applies to the performance benchmark test.	3.20	X		
Separated maximum maintain temperature and maximum continuous operating temperature to clarify the meaning of both terms.	3.15 and 3.16	X		
Addition of requirements for controllers and high temperature limiters, added specific reference standards.	4.6.3			C1
Rewrite of the requirements for controlled design as it applies to the application of controllers and high temperature limiters as for use in EPL's.	4.6.3			C2
Addition of requirement for specifying various temperatures defined by the standard and including them in user documentation.	4.2 and 7			C3
Connection Integrity (integral components)	5.1.17		X	
Applications of Trace Heating in empty conduit	Annex E		X	

NOTE The technical changes referred to include the significance of technical changes in the revised IEC Standard, but they do not form an exhaustive list of all modifications from the previous version.

Explanations:

A) Definitions

Minor and editorial changes

clarification
decrease of technical requirements
minor technical change
editorial corrections